



February 24, 2014

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Philip D. Smith  
District Manager

Mr. Philip Isorena  
State Water Resources Control Board  
Division of Water Quality, 15<sup>th</sup> Floor  
1001 I Street  
Sacramento, CA. 95814

Re: Order No. 2012-0003-DWQ – NPDES NO. CAG 990004 - 2013 Annual Report

Dear Mr. Isorena:

With this letter, please find the Marin/Sonoma Mosquito and Vector Control District's (MSMVCD) annual report for 2013 regarding the NPDES permit referenced above.

MSMVCD was in compliance with the permit in 2013; there were no violations. The best management practices (BMPs) outlined in MSMVCD's Pesticide Application Plan (PAP) were appropriate and coincided with an Integrated Vector Management Program. The BMPs in MSMVCD's current PAP will continue to be utilized in 2014.

MSMVCD did not perform visual monitoring in 2013. The monitoring requirements contained within the Vector Control Permit were suspended due to ongoing negotiations with the SWRCB during 2013. The SWRCB also notified the permit holders in a letter to the Mosquito and Vector Control Association of California, dated July 13, 2012, that because the visual monitoring requirements were "interfering with the need for maximal efficient application to adequately protect human health from vector-borne diseases like West Nile virus," the visual monitoring was no longer required by individual Districts. MSMVCD also had a substantial amount of West Nile virus and related mosquito surveillance and control activity in 2013.

The BMPs currently included in MSMVCD's PAP were effective in 2013 and are expected to be effective and consistent with an Integrated Vector Management Program in 2014. Such BMPs include, for example: public relations/education, mosquito source reduction, biological control (e.g. mosquitofish), calibration of mosquito adulticide and larvicide equipment, and pesticide spill and spill prevention training.

At this time, there are no recommendations for BMP modifications given that there were no violations of the permit in 2013. Please see the map included with the attached 2013 Annual Report depicting the application areas in Marin and Sonoma counties (Attachment B).

The dosage, concentrations, and amounts of the materials applied were derived from the product labels. Please see the application log included with the attached 2013 Annual Report (Attachment A).

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

Respectfully,



Erik Hawk  
Assistant Manager

# Marin/Sonoma Mosquito and Vector Control District

2013 NPDES Annual Report

Order # 2012-0003-DWQ NPDES # CAG 990004

## 1. Annual Report

### a. Executive Summary

The Marin/Sonoma Mosquito and Vector Control District (District) complied with the applicable components of the General NPDES Permit for Biological and Residual Pesticide Discharges from Vector Control Applications (General Permit). The District is a member of the Mosquito and Vector Control Association of California (MVCAC) NPDES Permit Coalition (Coalition) and the Coalition Annual Report will be sent separately to the SWRCB and Regional Boards. The best management practices (BMPs) outlined in MSMVCD's Pesticide Application Plan (PAP) were appropriate and coincided with the District's Integrated Vector Management Program. The BMPs in MSMVCD's current PAP will continue to be utilized in 2014.

The District made 1,200 applications to waters of the U.S. during the 2013 calendar year. The log of these applications can be found in Attachment A. The District did not perform visual monitoring observations due to a substantial amount of West Nile virus and related mosquito surveillance control activity in 2013. This is in line with the SWRCB notification letter of July 13, 2012 to MVCAC which states that because visual monitoring requirements were "interfering with the need for maximal efficient application to adequately protect human health from vector-borne diseases like West Nile virus," and the visual monitoring was no longer required by individual districts.

### b. Summary of Monitoring Data

The District's monitoring requirements (as listed in Footnote 1 of Tables C-1 and C-2 in Amended Water Quality Control Order No. 2011-0002-DWQ, General Permit No. CAG990004) were suspended due to ongoing negotiations with the SWRCB during 2013. These discussions were centered on the removal of the physical and chemical monitoring in the permit. The SWRCB is currently proposing significant changes to the Vector Control Permit which have a direct impact on the monitoring component. The Coalition complied with the monitoring component of the permit as reflected in the 2012 Coalition Annual Report which then necessitated the need to discuss the future inclusion of the physical and chemical monitoring portions of the permit.

The Coalition will provide information on the incidence of West Nile virus and other similar public health threats in the Coalition's annual report.

### c. BMP Identification

The BMPs currently in place in the District's PAP were effective in 2013 and are expected to continue to be effective and consistent with the existing Integrated Vector Management Program. Such BMPs include, for example: public relations/education, mosquito source reduction, biological control (e.g. mosquitofish), calibration of mosquito adulticide and larvicide equipment, and pesticide spill and spill prevention training. Implementation of these BMPs contributed to minimizing discharges of biological and residual pesticides.

- d. Violation Discussion  
No violations of the NPDES Permit were observed.
  - e. Map of Applications  
Please see Attachment B.
  - f. Log of Applications made to Waters of the U.S.  
Please see Attachment A which includes application data for the covered application areas.
  - g. General Information on Applications  
The dosage, concentrations, and amounts of the larvicides applied were derived from the product labels. Please see the application log (Attachment A).
  - h. Monitoring Data  
Due to a substantial level of West Nile virus and related mosquito surveillance and control activities required during 2013, visual monitoring data were not collected. Informal monitoring was performed as a part of normal duties by Vector Control Technicians and Field Supervisors as they performed mosquito source inspections and applied control products. No adverse impacts from vector control applications were noticed or reported by any of the individual applicators. Physical and chemical monitoring data were not collected (see Section 1b, above).
  - i. BMP, PAP, Monitoring Program Recommendations  
There are currently no recommendations suggested to improve the current PAP and draft amendment to the monitoring and reporting program.
  - j. Pesticide Application Log made to Waters of the U.S.  
A representation of the pesticide application log is presented in Attachment A.
2. Updated PAP Components  
N/A
3. Self Monitoring Reports  
N/A
4. Monitoring Reports  
The Coalition Monitoring Annual Report will summarize the direction and outcome of the conversations between the MVCAC and the SWRCB on potential changes to the Vector Control Permit.

# Marin/Sonoma Mosquito and Vector Control District

Attachment A

NPDES Annual Report 2013  
Order # 2012-0003-DWQ NPDES # CAG 990004

## **Application Log**

## NPDES Crop Code Monthly Report

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/10/2013	Edwards	02163420	311	Drainage Ditch (man made)	04	Agnique MMF	3.0000000	OZ	0.0229	37.9877	-122.4676
1/15/2013	Cole	02055405	311	Drainage Ditch (man made)	04	Vectobac 12AS	16.0000000	OZ	0.5000	38.0448	-122.5112
1/18/2013	Edwards	02154502	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0022	37.9844	-122.5159
1/22/2013	Cole	02053202	311	Drainage Ditch (man made)	04	Agnique MMF	48.0000000	OZ	0.7500	38.0652	-122.5341
1/30/2013	Mohrman	04385102	311	Drainage Ditch (man made)	04	Vectobac 12AS	0.0500000	GAL	0.2000	38.4310	-122.8722
2/1/2013	Tescalco	02025612	311	Drainage Ditch (man made)	04	Duplex	36.0000000	OZ	1.0000	38.1275	-122.5659
2/1/2013	Ohlinger	04800605	311	Drainage Ditch (man made)	04	VectoBac WDG	1.5000000	OZ	0.1100	38.4033	-122.7747

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/1/2013	Ohlinger	04800602	311	Drainage Ditch (man made)	04	VectoBac WDG	2.9000000	OZ	0.2100	38.4033	-122.7747
2/1/2013	Ohlinger	04800603	311	Drainage Ditch (man made)	04	VectoBac WDG	3.3000000	OZ	0.2400	38.4033	-122.7747
2/1/2013	Ohlinger	04800604	311	Drainage Ditch (man made)	04	VectoBac WDG	3.5000000	OZ	0.2500	38.4033	-122.7747
1/31/2013	Petersen	02054406	311	Drainage Ditch (man made)	04	Vectobac 12AS	0.1250000	GAL	0.5000	38.0435	-122.5223
1/31/2013	Helicopter	05_01454	311	Drainage Ditch (man made)	04	Duplex SR20	1.8100000	GAL	7.0000	38.2178	-122.5780
1/31/2013	Helicopter	05_01454	311	Drainage Ditch (man made)	04	Vectolex WDG	7.0000000	LB	7.0000	38.2178	-122.5780
2/7/2013	Reed	E302H301	311	Drainage Ditch (man made)	04	Agnique MMF	0.0172000	GAL	0.0172	38.7956	-123.0054
2/13/2013	Mohrman	04506403	311	Drainage Ditch (man made)	04	Altosid Pellets	0.1300000	LB	0.0130	38.3651	-122.8081

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/15/2013	Mohrman	04392409	311	Drainage Ditch (man made)	04	Agnique MMF	0.2500000	GAL	0.2500	38.4119	-122.8474
2/21/2013	Walker	02053202	311	Drainage Ditch (man made)	04	Altosid Pellets	3.0000000	LB	1.0000	38.0652	-122.5341
3/5/2013	Edwards	02135218	311	Drainage Ditch (man made)	04	Sand Granules	0.0100000	LB	0.0011	38.0121	-122.5092
3/7/2013	Edwards	02142410	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0450000	LB	0.0045	37.9947	-122.5386
3/11/2013	Nadale	02032311	311	Drainage Ditch (man made)	04	Duplex	1.1250000	GAL	4.0000	38.1073	-122.5372
3/12/2013	Petersen	02053202	311	Drainage Ditch (man made)	04	Agnique MMF	0.3750000	GAL	0.7500	38.0652	-122.5341
3/14/2013	Wiles	03561617	311	Drainage Ditch (man made)	04	BVA2	0.0132812	GAL	0.0028	38.349	-122.5209
3/15/2013	Nadale	02032311	311	Drainage Ditch (man made)	04	Vectomax FG	20.0000000	LB	1.0000	38.1073	-122.5372



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/21/2013	Petersen	02054406	311	Drainage Ditch (man made)	04	BVA2	2.5000000	GAL	0.5000	38.0435	-122.5223
3/26/2013	Mohrman	04391210	311	Drainage Ditch (man made)	04	Vectobac 12AS	3.2000000	OZ	0.1000	38.4244	-122.8548
3/26/2013	Miller	14M01388	311	Drainage Ditch (man made)	04	Altosid Pellets	1.0000000	LB	0.5000	38.4225	-122.7360
3/27/2013	Edwards	01226223	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0022	37.9646	-122.4970
3/27/2013	Edwards	01226224	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0022	37.9644	-122.496
3/27/2013	Tescallo	02032311	311	Drainage Ditch (man made)	04	Duplex	180.0000000	OZ	5.0000	38.1073	-122.5372
3/28/2013	Edwards	02163420	311	Drainage Ditch (man made)	04	Altosid Pellets	0.4500000	LB	0.0459	37.9877	-122.4676
3/29/2013	Miller	04272515	311	Drainage Ditch (man made)	04	Vectolex FG	5.0000000	LB	0.2500	38.4404	-122.8462

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/29/2013	Miller	04272515	311	Drainage Ditch (man made)	04	Vectolex FG	5.0000000	LB	0.2500	38.4404	-122.8462
4/2/2013	Miller	04804312	311	Drainage Ditch (man made)	04	Altosid Pellets	1.0000000	LB	0.1000	38.3718	-122.7623
4/9/2013	Petersen	02032311	311	Drainage Ditch (man made)	04	Duplex	1.2000000	GAL	5.0000	38.1073	-122.5372
4/10/2013	Mohrman	04392409	311	Drainage Ditch (man made)	04	Agnique MMF	19.2000000	OZ	0.1500	38.4119	-122.8474
4/15/2013	Wiles	03561617	311	Drainage Ditch (man made)	04	Vectolex FG	0.0500000	LB	0.0028	38.349	-122.5209
4/16/2013	Edwards	02135218	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0225000	LB	0.0022	38.0121	-122.5092
4/16/2013	Edwards	02135218	311	Drainage Ditch (man made)	04	Sand Granules	0.0225000	LB	0.0022	38.0121	-122.5092
4/18/2013	Mohrman	04386201	311	Drainage Ditch (man made)	04	Altosid Briquets XR	2.0000000	EA	0.0000	38.4241	-122.8592

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
4/22/2013	Tescalco	02032311	311	Drainage Ditch (man made)	04	Duplex	36.0000000	OZ	1.0000	38.1073	-122.5372
4/22/2013	Edwards	02161403	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0045000	LB	0.0004	37.9905	-122.4895
4/22/2013	Edwards	02161403	311	Drainage Ditch (man made)	04	Agnique MMF	0.0640000	OZ	0.0005	37.9905	-122.4895
4/22/2013	Beck	01274307	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0004	37.9175	-122.4830
4/22/2013	Beck	01274307	311	Drainage Ditch (man made)	04	Agnique MMF	0.0450000	OZ	0.0004	37.9175	-122.4830
4/23/2013	Beck	01274307	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0009	37.9175	-122.4830
4/24/2013	Nadale	02015106	311	Drainage Ditch (man made)	04	Altosid Pellets	0.3000000	LB	0.1000	38.1180	-122.5675
4/26/2013	Ambroselli	04386201	311	Drainage Ditch (man made)	04	Agnique MMF	0.0088000	GAL	0.0091	38.4241	-122.8592

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
4/29/2013	Miller	04272515	311	Drainage Ditch (man made)	04	Vectomax FG	10.0000000	LB	0.5000	38.4404	-122.8462
4/30/2013	Nadale	02031302	311	Drainage Ditch (man made)	04	Altosid Pellets	0.3000000	LB	0.1000	38.1056	-122.5509
4/30/2013	Beck	01341413	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0050000	LB	0.0006	37.8562	-122.4858
4/30/2013	Edwards	02161412	311	Drainage Ditch (man made)	04	Vectobac 12AS	0.0090000	OZ	0.0004	37.9918	-122.4802
5/1/2013	Leslie	05182608	311	Drainage Ditch (man made)	04	Agnique MMF	0.0832000	OZ	0.0013	38.4900	-122.6732
5/1/2013	Leslie	05182608	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0039000	LB	0.0013	38.4900	-122.6732
4/3/2013	Helicopter	05_01454	311	Drainage Ditch (man made)	04	Vectomax FG	140.0000000	LB	7.0000	38.2178	-122.5780
4/30/2013	Helicopter	05_01454	311	Drainage Ditch (man made)	04	MetaLarv S-PT	40.0000000	LB	8.0000	38.2178	-122.5780

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/2/2013	Edwards	02224126	311	Drainage Ditch (man made)	04	Sand Granules	0.0150000	LB	0.0011	37.9721	-122.5115
5/3/2013	Reed	0EM01883	311	Drainage Ditch (man made)	04	Vectomax FG	0.0680000	LB	0.0068	38.8179	-123.0236
5/7/2013	Beardsley	05304404	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0110000	LB	0.0022	38.27-1	122-8-48
5/7/2013	Tescalco	02032311	311	Drainage Ditch (man made)	04	Duplex	216.0000000	OZ	6.0000	38.1073	-122.5372
5/8/2013	Merian	04M01220	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0080000	LB	0.0027	38.1050	-122.5961
5/8/2013	Beck	01233621	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0275000	LB	0.0055	37.9339	-122.5272
5/9/2013	Tescalco	02016112	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0001	38.1170	-122.5571
5/9/2013	Tescalco	02016112	311	Drainage Ditch (man made)	04	Agnique MMF	0.0100000	OZ	0.0001	38.1170	-122.5571

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/10/2013	Beck	01305215	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0023	37.9186	-122.5053
5/10/2013	Beck	01305215	311	Drainage Ditch (man made)	04	Duplex	0.0240000	GAL	0.0870	37.9186	-122.5053
5/10/2013	Petersen	02141609	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0009	37.9831	-122.5496
5/10/2013	Petersen	02141609	311	Drainage Ditch (man made)	04	Agnique MMF	0.0863000	OZ	0.0009	37.9831	-122.5496
5/10/2013	Ambroselli	04386201	311	Drainage Ditch (man made)	04	Agnique MMF	0.0088000	GAL	0.0091	38.4241	-122.8592
5/21/2013	Cole	02123211	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0023	38.0114	-122.5309
5/23/2013	Merian	02154632	311	Drainage Ditch (man made)	04	Agnique MMF	0.0240000	OZ	0.0002	37.9816	-122.5164
5/23/2013	Merian	02154632	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0000	37.9816	-122.5164

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/24/2013	Ambroselli	04386201	311	Drainage Ditch (man made)	04	Agnique MMF	0.0088000	GAL	0.0091	38.4241	-122.8592
6/3/2013	Russo	05892503	311	Drainage Ditch (man made)	04	Vectolex FG	0.0220000	LB	0.0022	38.5729	-122.8432
6/3/2013	Beardsley	05304306	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0110000	LB	0.0022	38.27-4	122.-9-10
6/3/2013	Beardsley	05304306	311	Drainage Ditch (man made)	04	Agnique MMF	0.1400000	OZ	0.0022	38.27-4	122.-9-10
6/5/2013	Merian	02162416	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0020000	LB	0.0002	37.9909	-122.4734
6/10/2013	Miller	04281206	311	Drainage Ditch (man made)	04	Vectomax FG	5.0000000	LB	0.2500	38.4646	-122.7814
6/11/2013	Nadale	02032325	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0002	38.1075	-122.5699
6/13/2013	Leslie	05295416	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0015000	LB	0.0005	38.4566	-122.7066

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
6/14/2013	Miller	04514105	311	Drainage Ditch (man made)	04	Vectomax FG	2.0000000	LB	0.1000	38.3832	-122.7680
6/17/2013	Merian	02M01195	311	Drainage Ditch (man made)	04	Agnique MMF	0.0690000	OZ	0.0005	38.0133	-122.5966
6/19/2013	Filippi	E420D702	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0250000	LB	0.0086	38.3245	-123.0556
6/19/2013	Wiles	03561617	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0500000	LB	0.0050	38.349	-122.5209
6/20/2013	Nadale	02032311	311	Drainage Ditch (man made)	04	Vectolex WDG	1.5000000	LB	1.5000	38.1073	-122.5372
6/25/2013	Miller	04272515	311	Drainage Ditch (man made)	04	Vectomax FG	5.0000000	LB	0.2500	38.4404	-122.8462
7/1/2013	Helicopter	05_01454	311	Drainage Ditch (man made)	04	MetaLarv S-PT	35.0000000	LB	7.0000	38.2178	-122.5780
6/28/2013	Helicopter	05_01454	311	Drainage Ditch (man made)	04	MetaLarv S-PT	35.0000000	LB	7.0000	38.2178	-122.5780



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
7/10/2013	Beck	01341413	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0067000	LB	0.0006	37.8562	-122.4858
7/10/2013	Beck	01341413	311	Drainage Ditch (man made)	04	CocoBear	0.0034000	GAL	0.0006	37.8562	-122.4858
7/16/2013	Merian	02141411	311	Drainage Ditch (man made)	04	Agnique MMF	0.0540000	OZ	0.0004	37.9990	-122.5510
7/16/2013	Ambroselli	05284305	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0066000	LB	0.0022	38.4579	-122.7659
7/16/2013	Trisciuzzi	04844402	311	Drainage Ditch (man made)	04	Agnique MMF	32.0000000	OZ	0.2500	38.236	-122.5889
7/24/2013	Ohlinger	04801103	311	Drainage Ditch (man made)	04	Vectolex WDG	7.7000000	OZ	0.4800	38.4377	-122.8227
7/29/2013	Morton	03873103	311	Drainage Ditch (man made)	04	Vectomax FG	0.2300000	LB	0.0229	38.2564	-122.4386
8/2/2013	Beck	01M01446	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0100000	LB	0.0022	.	.

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
8/6/2013	Merian	02224126	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0012000	LB	0.0003	37.9721	-122.5115
8/6/2013	Wiles	03561617	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0050000	LB	0.0005	38.349	-122.5209
8/6/2013	Ohlinger	04801103	311	Drainage Ditch (man made)	04	Vectolex FG	6.0000000	LB	0.3000	38.4377	-122.8227
8/7/2013	Russo	05892503	311	Drainage Ditch (man made)	04	Vectobac GS	10.0000000	LB	0.5000	38.5729	-122.8432
8/8/2013	Petersen	01186101	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0006000	LB	0.0002	37.9512	-122.5526
8/8/2013	Ohlinger	04800602	311	Drainage Ditch (man made)	04	VectoBac WDG	2.0000000	OZ	0.1500	38.4033	-122.7747
8/9/2013	Petersen	01212315	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0002	37.9612	-122.5410
8/9/2013	Petersen	01212315	311	Drainage Ditch (man made)	04	Agnique MMF	0.0400000	OZ	0.0004	37.9612	-122.5410

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
8/12/2013	Petersen	01213217	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0020000	LB	0.0009	37.9730	-122.5405
8/12/2013	Petersen	01213217	311	Drainage Ditch (man made)	04	Agnique MMF	0.1100000	OZ	0.0009	37.9730	-122.5405
8/13/2013	Trisciuzzi	04764107	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0040000	LB	0.0020	38.3047	-122.6616
8/13/2013	Trisciuzzi	04762212	311	Drainage Ditch (man made)	04	Vectomax FG	0.0600000	LB	0.0030	38.2953	-122.6703
8/15/2013	Leslie	05295511	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0009000	LB	0.0003	38.4487	-122.7031
8/20/2013	Russo	05892503	311	Drainage Ditch (man made)	04	Vectobac GS	5.0000000	LB	0.5000	38.5729	-122.8432
8/21/2013	Beardsley	04523308	311	Drainage Ditch (man made)	04	Agnique MMF	0.2200000	OZ	0.0034	38.3696	-122.7212
8/21/2013	Ohlinger	04801103	311	Drainage Ditch (man made)	04	Vectolex FG	1.5000000	LB	0.1500	38.4377	-122.8227

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
8/30/2013	Russo	05892503	311	Drainage Ditch (man made)	04	Vectolex FG	1.0000000	LB	0.1000	38.5729	-122.8432
9/3/2013	Tescallo	02032323	311	Drainage Ditch (man made)	04	Altosid Briquets XR	5.0000000	EA	0.0200	38.1023	-122.5338
9/10/2013	Beardsley	05304306	311	Drainage Ditch (man made)	04	Agnique MMF	5.8000000	OZ	0.0900	38.27-4	122-.9-10
9/11/2013	Ambroselli	04651106	311	Drainage Ditch (man made)	04	Vectolex WSP	10.0000000	EA	0.0091	38.3460	-122.6813
9/11/2013	Ambroselli	04651106	311	Drainage Ditch (man made)	04	Agnique MMF	0.0088000	GAL	0.0091	38.3460	-122.6813
9/16/2013	Beck	01233621	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0057000	LB	0.0012	37.9339	-122.5272
9/16/2013	Beck	01233621	311	Drainage Ditch (man made)	04	Agnique MMF	0.1200000	OZ	0.0012	37.9339	-122.5272

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
9/17/2013	Merian	02162416	311	Drainage Ditch (man made)	04	BVA2	0.3400000	OZ	0.0009	37.9909	-122.4734
9/19/2013	Beck	01274307	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0002	37.9175	-122.4830
9/20/2013	Merian	02154502	311	Drainage Ditch (man made)	04	Altosid Pellets	0.0020000	LB	0.0006	37.9844	-122.5159
9/26/2013	Merian	02046229	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0004	38.0581	-122.5601
9/27/2013	Merian	02123211	311	Drainage Ditch (man made)	04	Altosid Briquets XR	1.0000000	EA	0.0000	38.0114	-122.5309
10/1/2013	Beardsley	04651106	311	Drainage Ditch (man made)	04	Agnique MMF	0.1400000	OZ	0.0022	38.3460	-122.6813
10/1/2013	Cole	02121320	311	Drainage Ditch (man made)	04	Vectolex WSP	1.0000000	EA	0.0023	38.0247	-122.5514
10/2/2013	Ambroselli	05892503	311	Drainage Ditch (man made)	04	BVA2	5.0000000	GAL	1.0000	38.5729	-122.8432

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
10/2/2013	Ambroselli	05892503	311	Drainage Ditch (man made)	04	Agnique MMF	1.0000000	GAL	1.0000	38.5729	-122.8432
10/14/2013	Ambroselli	05284305	311	Drainage Ditch (man made)	04	Altosid Briquets (small)	8.0000000	EA	0.0045	38.4579	-122.7659
10/25/2013	Reed	0EM02077	311	Drainage Ditch (man made)	04	Vectobac GS	0.2200000	LB	0.0220	38.6297	-122.7960
10/29/2013	Beardsley	04651106	311	Drainage Ditch (man made)	04	Agnique MMF	0.1100000	OZ	0.0017	38.3460	-122.6813
11/4/2013	Nadale	04M01292	311	Drainage Ditch (man made)	04	Agnique MMF	1.2500000	OZ	0.0103	38.0927	-122.5634
11/6/2013	Ohlinger	04801003	311	Drainage Ditch (man made)	04	Vectolex FG	11.0000000	LB	0.5500	38.4177	-122.7894
3/15/2013	Edwards	02163420	311	Drainage Ditch (man made)	05	Pyrocide 5% - GAL	0.0029417	GAL	0.4648	37.9877	-122.4676
4/11/2013	Trisciuzzi	05_01454	311	Drainage Ditch (man made)	05	Zenivex	10.5000000	OZ	17.2500	38.2178	-122.5780

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6/26/2013	Trisciuzzi	05_01454	311	Drainage Ditch (man made)	05	Zenivex	10.5000000	OZ	17.2100	38.2178	-122.5780
7/3/2013	Trisciuzzi	05_01454	311	Drainage Ditch (man made)	05	Zenivex	10.5000000	OZ	17.2100	38.2178	-122.5780
1/8/2013	Beck	01304210	312	Ditch (natural)	04	Agnique MMF	1.3000000	OZ	0.0137	37.9324	-122.5235
1/11/2013	Wells	A461E406	312	Ditch (natural)	04	Vectobac 12AS	80.0000000	OZ	2.5000	38.2376	-122.9684
1/11/2013	Filippi	A461E406	312	Ditch (natural)	04	Vectobac 12AS	108.8000000	OZ	3.4000	38.2376	-122.9684
1/14/2013	Edwards	01245504	312	Ditch (natural)	04	Agnique MMF	16.0000000	OZ	0.1147	37.9501	-122.5093
1/15/2013	Cole	02122302	312	Ditch (natural)	04	Vectobac 12AS	16.0000000	OZ	0.5000	38.0042	-122.5360
1/16/2013	Nadale	04m01200	312	Ditch (natural)	04	Agnique MMF	384.0000000	OZ	3.0000	38.0784	-122.5265

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/16/2013	Nadale	04m01200	312	Ditch (natural)	04	BVA2	320.0000000	OZ	3.0000	38.0784	-122.5265
1/18/2013	Cole	02053312	312	Ditch (natural)	04	Vectobac 12AS	96.0000000	OZ	3.0000	38.0484	-122.4986
1/22/2013	Nadale	04M01200	312	Ditch (natural)	04	Duplex	180.0000000	OZ	5.0000	38.0784	-122.5265
1/24/2013	Cole	02053324	312	Ditch (natural)	04	Vectobac 12AS	32.0000000	OZ	1.0000	38.0646	-122.5202
1/24/2013	Nadale	04m01200	312	Ditch (natural)	04	Duplex	180.0000000	OZ	5.0000	38.0784	-122.5265
1/28/2013	Reed	E241C405	312	Ditch (natural)	04	Vectomax FG	0.5000000	LB	0.0500	38.8043	-123.0104
1/28/2013	Leslie	05525213	312	Ditch (natural)	04	Vectobac GS	1.3770000	LB	0.1377	38.3732	-122.6961
1/28/2013	Leslie	05525216	312	Ditch (natural)	04	Vectobac GS	1.3770000	LB	0.1377	38.3756	-122.7042



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/28/2013	Filippi	A461E406	312	Ditch (natural)	04	Agnique MMF	6.0000000	OZ	0.0932	38.2376	-122.9684
1/29/2013	Nadale	02033407	312	Ditch (natural)	04	Duplex	2.2500000	GAL	8.0000	38.0938	-122.5291
1/30/2013	Miller	04395524	312	Ditch (natural)	04	Agnique MMF	0.2500000	GAL	0.2500	38.4015	-122.8191
1/30/2013	Filippi	A461E406	312	Ditch (natural)	04	Vectobac 12AS	1.0000000	GAL	4.0000	38.2376	-122.9684
1/30/2013	Mohrman	08M01353	312	Ditch (natural)	04	Vectobac 12AS	0.0250000	GAL	0.1000	38.4291	-122.8717
1/30/2013	Reed	A461E406	312	Ditch (natural)	04	Vectobac 12AS	96.0000000	OZ	3.0000	38.2376	-122.9684
1/31/2013	Mohrman	04263306	312	Ditch (natural)	04	Vectobac 12AS	0.0181250	GAL	0.0725	38.4602	-122.8979

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/31/2013	Mohrman	04514606	312	Ditch (natural)	04	Vectobac 12AS	0.1000000	GAL	0.4000	38.3530	-122.7679
2/1/2013	Nadale	04m01200	312	Ditch (natural)	04	Duplex	1.4062500	GAL	5.0000	38.0784	-122.5265
2/5/2013	Russo	05152301	312	Ditch (natural)	04	Duplex	0.5625000	GAL	2.0000	38.5012	-122.8474
2/5/2013	Reed	E261H502	312	Ditch (natural)	04	Vectobac GS	1.0000000	LB	0.1000	38.7431	-122.9546
2/5/2013	Wiles	03944303	312	Ditch (natural)	04	Duplex	1.4062500	GAL	5.0000	38.1893	-122.4373
2/7/2013	Leslie	09M01451	312	Ditch (natural)	04	Vectobac GS	0.1830000	LB	0.0183	38.3793	-122.7042
2/20/2013	Petersen	02053312	312	Ditch (natural)	04	Vectobac 12AS	0.2500000	GAL	1.0000	38.0484	-122.4986
2/7/2013	Sequeira	03881612	312	Ditch (natural)	04	Duplex	0.5600000	GAL	2.0000	38.2195	-122.3855

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/21/2013	Nadale	02033407	312	Ditch (natural)	04	Duplex	1.4062500	GAL	5.0000	38.0938	-122.5291
2/21/2013	Wiles	03794108	312	Ditch (natural)	04	Vectobac 12AS	0.0025781	GAL	0.0103	38.3030	-122.4776
2/22/2013	Beck	01233626	312	Ditch (natural)	04	Altosid Pellets	0.0170000	LB	0.0018	37.9333	-122.5315
2/26/2013	Beck	01304210	312	Ditch (natural)	04	Altosid Pellets	0.0220000	LB	0.0023	37.9324	-122.5235
2/27/2013	Filippi	A461E406	312	Ditch (natural)	04	Vectomax FG	5.0000000	LB	0.2500	38.2376	-122.9684
2/27/2013	Petersen	02053316	312	Ditch (natural)	04	Vectobac 12AS	0.7500000	GAL	3.0000	38.0684	-122.5240
2/28/2013	Petersen	02122302	312	Ditch (natural)	04	Vectolex FG	0.0910000	LB	0.0045	38.0042	-122.5360
2/28/2013	Tescalco	04M01200	312	Ditch (natural)	04	Duplex	0.9843750	GAL	3.5000	38.0784	-122.5265

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3/1/2013	Filippi	A461E406	312	Ditch (natural)	04	Vectobac 12AS	0.2500000	GAL	1.0000	38.2376	-122.9684
3/1/2013	Nadale	04M01200	312	Ditch (natural)	04	Duplex	1.4062500	GAL	5.0000	38.0784	-122.5265
3/4/2013	Wiles	03556405	312	Ditch (natural)	04	BVA2	0.0017968	GAL	0.0004	38.3658	-122.5243
3/4/2013	Trisciuzzi	04931303	312	Ditch (natural)	04	Vectolex FG	340.0000000	LB	34.0000	38.2048	-122.5207
3/5/2013	Petersen	02053312	312	Ditch (natural)	04	Vectolex FG	10.0000000	LB	0.5000	38.0484	-122.4986
3/5/2013	Edwards	02143404	312	Ditch (natural)	04	Sand Granules	0.0120000	LB	0.0022	37.9994	-122.5356
3/8/2013	Reed	E337D102	312	Ditch (natural)	04	Altosid Pellets	0.0068000	LB	0.0022	38.5699	-123.3197
3/11/2013	Nadale	02033407	312	Ditch (natural)	04	Duplex	1.4062500	GAL	5.0000	38.0938	-122.5291

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/12/2013	Reed	E282G701	312	Ditch (natural)	04	Altosid Pellets	1.0000000	LB	0.3300	38.6805	-122.8856
3/13/2013	Nadale	04M01200	312	Ditch (natural)	04	Duplex	1.6875000	GAL	6.0000	38.0784	-122.5265
3/14/2013	Wells	E322H401	312	Ditch (natural)	04	Agnique MMF	0.0016500	GAL	0.0033	38.6059	-122.8662
3/15/2013	Reed	E261F103	312	Ditch (natural)	04	Vectomax FG	0.6250000	LB	0.0625	38.7761	-122.9630
3/19/2013	Petersen	01224306	312	Ditch (natural)	04	Vectolex FG	0.2750000	LB	0.0138	37.9608	-122.5189
3/22/2013	Petersen	02054611	312	Ditch (natural)	04	Vectolex WDG	3.0000000	LB	2.0000	38.0381	-122.5043
3/22/2013	Petersen	02054611	312	Ditch (natural)	04	Altosid Liquid Larvicide	0.0620000	GAL	2.0000	38.0381	-122.5043
3/25/2013	Beck	01335201	312	Ditch (natural)	04	Vectomax FG	0.0400000	LB	0.0046	37.8674	-122.5057

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/26/2013	Morton	03944303	312	Ditch (natural)	04	Duplex	108.0000000	OZ	3.0000	38.1893	-122.4373
3/28/2013	Wells	E322H401	312	Ditch (natural)	04	Altosid Pellets	0.0099000	LB	0.0033	38.6059	-122.8662
3/28/2013	Tescallo	04M01200	312	Ditch (natural)	04	Duplex	180.0000000	OZ	5.0000	38.0784	-122.5265
4/2/2013	Wiles	03794108	312	Ditch (natural)	04	BVA2	1.2000000	OZ	0.0018	38.3030	-122.4776
4/2/2013	Petersen	02134110	312	Ditch (natural)	04	Vectolex FG	0.0459000	LB	0.0023	38.0168	-122.5258
3/26/2013	Kimball	E322F401	312	Ditch (natural)	04	VectoBac WDG	2.3159000	LB	3.7100	38.6027	-122.8977
4/5/2013	Nadale	02035310	312	Ditch (natural)	04	Agnique MMF	3.0000000	OZ	0.0500	38.1105	-122.5021
4/4/2013	Petersen	02053312	312	Ditch (natural)	04	Duplex	0.2810000	GAL	1.0000	38.0484	-122.4986

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
4/10/2013	Ohlinger	02033407	312	Ditch (natural)	04	Vectobac Corncob Granules - BTI	0.1300000	LB	0.0130	38.0938	-122.5291
4/11/2013	Miller	04641106	312	Ditch (natural)	04	Vectomax FG	40.0000000	LB	2.0000	38.3652	-122.7413
4/12/2013	Reed	E337D102	312	Ditch (natural)	04	Vectomax FG	0.0460000	LB	0.0046	38.5699	-123.3197
4/12/2013	Petersen	02033407	312	Ditch (natural)	04	BVA2	2.5000000	GAL	0.5000	38.0938	-122.5291
4/15/2013	Russo	05024504	312	Ditch (natural)	04	Vectomax FG	2.0000000	LB	0.2000	38.5288	-122.8286
4/15/2013	Russo	05024505	312	Ditch (natural)	04	Agnique MMF	0.7340000	OZ	0.0114	38.5290	-122.8269
4/15/2013	Tescallo	02033407	312	Ditch (natural)	04	Duplex	90.0000000	OZ	2.5000	38.0938	-122.5291
4/17/2013	Reed	E261F103	312	Ditch (natural)	04	Altosid Pellets	0.1033000	LB	0.0340	38.7761	-122.9630

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
4/18/2013	Peterson	E282C305	312	Ditch (natural)	04	Vectomax FG	0.1033057	LB	0.0103	38.7124	-122.9160
4/23/2013	Wells	E302G604	312	Ditch (natural)	04	Agnique MMF	0.1472000	OZ	0.0023	38.6352	-122.8792
4/24/2013	Edwards	02155604	312	Ditch (natural)	04	Altosid Briquets XR	1.0000000	EA	0.0002	37.9816	-122.5092
4/24/2013	Edwards	02155604	312	Ditch (natural)	04	BVA2	0.1500000	OZ	0.0002	37.9816	-122.5092
4/24/2013	Reed	0EM02010	312	Ditch (natural)	04	Agnique MMF	0.1000000	GAL	0.1000	38.7369	-122.9616
4/24/2013	Tescalco	04M01200	312	Ditch (natural)	04	Duplex	270.0000000	OZ	7.5000	38.0784	-122.5265
4/25/2013	Beardsley	07M01475	312	Ditch (natural)	04	Altosid Pellets	0.0500000	LB	0.0100	38.3183	-122.7082
4/30/2013	Edwards	02162409	312	Ditch (natural)	04	BVA2	0.2000000	OZ	0.0003	37.9835	-122.4796



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
4/30/2013	Edwards	02162409	312	Ditch (natural)	04	Altosid Pellets	0.0040000	LB	0.0004	37.9835	-122.4796
5/1/2013	Reed	E282H704	312	Ditch (natural)	04	Agnique MMF	0.2500000	GAL	0.2500	38.6801	-122.8703
5/8/2013	Merian	02034302	312	Ditch (natural)	04	Altosid Pellets	0.0008000	LB	0.0001	37.5532	-122.6513
5/16/2013	Merian	02142403	312	Ditch (natural)	04	Altosid Pellets	0.0002000	LB	0.0000	37.9997	-122.5381
5/16/2013	Reed	0EM02010	312	Ditch (natural)	04	Agnique MMF	0.0100000	GAL	0.0100	38.7369	-122.9616
5/16/2013	Tescalco	04M01200	312	Ditch (natural)	04	Agnique MMF	0.4000000	OZ	0.0045	38.0784	-122.5265
5/20/2013	Wells	E342H302	312	Ditch (natural)	04	CocoBear	16.0000000	OZ	0.0250	38.5673	-122.8669
5/20/2013	Edwards	02162409	312	Ditch (natural)	04	BVA2	0.3750000	OZ	0.0000	37.9835	-122.4796

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/21/2013	Tescalco	04M01200	312	Ditch (natural)	04	Duplex	180.0000000	OZ	5.0000	38.0784	-122.5265
5/22/2013	Edwards	02161413	312	Ditch (natural)	04	Sand Granules	0.0330000	LB	0.0034	37.9882	-122.4895
5/23/2013	Reed	E337D102	312	Ditch (natural)	04	Altosid Pellets	0.0068000	LB	0.0022	38.5699	-123.3197
6/4/2013	Beardsley	07M01475	312	Ditch (natural)	04	Altosid Pellets	0.0170000	LB	0.0030	38.3183	-122.7082
6/10/2013	Nadale	04M01200	312	Ditch (natural)	04	Vectorex FG	10.0000000	LB	1.0000	38.0784	-122.5265
6/14/2013	Wells	E342H302	312	Ditch (natural)	04	BVA2	9.6000000	OZ	0.0150	38.5673	-122.8669
6/20/2013	Nadale	02033407	312	Ditch (natural)	04	Altosid Pellets	0.3000000	LB	0.1000	38.0938	-122.5291
6/21/2013	Filippi	E337D102	312	Ditch (natural)	04	Altosid Pellets	0.0013770	LB	0.0004	38.5699	-123.3197

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
6/25/2013	Wiles	03561606	312	Ditch (natural)	04	Vectolex FG	0.6000000	LB	0.0400	38.3539	-122.5092
6/27/2013	Peterson	E322G603	312	Ditch (natural)	04	Vectomax FG	0.0229560	LB	0.0022	38.5901	-122.8771
7/3/2013	Cole	02123140	312	Ditch (natural)	04	Altosid Briquets (small)	1.0000000	EA	0.0004	38.0192	-122.5297
7/10/2013	Miller	04401111	312	Ditch (natural)	04	BVA2	2.6500000	GAL	0.5000	38.4276	-122.8036
7/16/2013	Merian	02122203	312	Ditch (natural)	04	Altosid Pellets	0.0004000	LB	0.0001	38.0130	-122.5424
7/16/2013	Merian	02122203	312	Ditch (natural)	04	Altosid Briquets XR	4.0000000	EA	0.0092	38.0130	-122.5424
7/16/2013	Wiles	03556505	312	Ditch (natural)	04	Vectolex FG	0.0300000	LB	0.0017	38.3625	-122.5227
7/17/2013	Beardsley	04523513	312	Ditch (natural)	04	Altosid Briquets XR	1.0000000	EA	0.0002	38.3537	-122.7173

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
7/17/2013	Mohrman	04634108	312	Ditch (natural)	04	Agnique MMF	0.1020000	OZ	0.0008	.	.
7/24/2013	Reed	E241C405	312	Ditch (natural)	04	Agnique MMF	0.2000000	GAL	0.2000	38.8043	-123.0104
8/5/2013	Wells	E342G412	312	Ditch (natural)	04	Vectomax FG	0.0040000	LB	0.0002	38.564	-122.8747
8/12/2013	Miller	04281623	312	Ditch (natural)	04	Vectomax FG	5.0000000	LB	0.2500	38.4416	-122.7947
8/20/2013	Beardsley	04525504	312	Ditch (natural)	04	Vectomax FG	0.0500000	LB	0.0060	38.3567	-122.7008
8/20/2013	Beardsley	04525504	312	Ditch (natural)	04	BVA2	3.8000000	OZ	0.0060	38.3567	-122.7008
8/21/2013	Reed	E282H704	312	Ditch (natural)	04	BVA2	1.0000000	GAL	0.2000	38.6801	-122.8703
8/23/2013	Wells	E322J302	312	Ditch (natural)	04	Agnique MMF	12.8000000	OZ	0.1000	38.6085	-122.8568

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
8/26/2013	Edwards	02155604	312	Ditch (natural)	04	BVA2	0.0600000	OZ	0.0000	37.9816	-122.5092
8/26/2013	Edwards	02155604	312	Ditch (natural)	04	Altosid Briquets XR	1.0000000	EA	0.0000	37.9816	-122.5092
8/30/2013	Morton	03942101	312	Ditch (natural)	04	Vectomax FG	1.3000000	LB	0.0688	38.2157	-122.4570
9/3/2013	Reed	0EM02010	312	Ditch (natural)	04	Agnique MMF	0.1000000	GAL	0.1000	38.7369	-122.9616
9/4/2013	Reed	E241C405	312	Ditch (natural)	04	Agnique MMF	0.2500000	GAL	0.2500	38.8043	-123.0104
9/4/2013	Mohrman	04391206	312	Ditch (natural)	04	Vectomax FG	0.5400000	LB	0.0272	38.4226	-122.8519
9/4/2013	Merian	01M01466	312	Ditch (natural)	04	Altosid Pellets	0.0012000	LB	0.0004	12..479	37.8.9845
9/6/2013	Reed	E282A404	312	Ditch (natural)	04	Vectomax FG	0.0340000	LB	0.0034	38.7046	-122.9374

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
9/5/2013	Peterson	E322J201	312	Ditch (natural)	04	Altosid Pellets	0.0120500	LB	0.0017	38.6174	-122.8602
9/10/2013	Miller	04401111	312	Ditch (natural)	04	Vectomax FG	5.0000000	LB	0.2500	38.4276	-122.8036
9/16/2013	Reed	E282H704	312	Ditch (natural)	04	Vectomax FG	3.0000000	LB	0.3000	38.6801	-122.8703
9/17/2013	Mohrman	04391206	312	Ditch (natural)	04	Vectomax FG	0.5430000	LB	0.0272	38.4226	-122.8519
9/18/2013	Merian	02162409	312	Ditch (natural)	04	Altosid Pellets	0.0008000	LB	0.0002	37.9835	-122.4796
9/19/2013	Beardsley	04516313	312	Ditch (natural)	04	Agnique MMF	0.0192000	OZ	0.0003	38.3706	-122.7542
9/23/2013	Morton	03942101	312	Ditch (natural)	04	Vectolex FG	1.0000000	LB	0.1000	38.2157	-122.4570
9/30/2013	Cole	02054305	312	Ditch (natural)	04	Altosid Briquets (small)	4.0000000	EA	0.0096	38.0533	-122.5194

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
9/30/2013	Mohrman	04391206	312	Ditch (natural)	04	Vectomax FG	0.5430000	LB	0.0272	38.4226	-122.8519
10/3/2013	Tescallo	04M01284	312	Ditch (natural)	04	Vectomax FG	30.0000000	LB	1.5000	38.0978	-122.5062
10/3/2013	Reed	E282H704	312	Ditch (natural)	04	BVA2	2.5000000	GAL	0.5000	38.6801	-122.8703
10/7/2013	Reed	E322B403	312	Ditch (natural)	04	Vectomax FG	1.0000000	LB	0.1000	38.6015	-122.8411
10/9/2013	Beck	01335201	312	Ditch (natural)	04	Altosid Pellets	0.0230000	LB	0.0046	37.8674	-122.5057
10/9/2013	Mohrman	04391206	312	Ditch (natural)	04	Vectomax FG	0.5430000	LB	0.0272	38.4226	-122.8519
10/10/2013	Morton	03942101	312	Ditch (natural)	04	Agnique MMF	2.0000000	OZ	0.0500	38.2157	-122.4570
10/23/2013	Reed	E241C405	312	Ditch (natural)	04	Agnique MMF	0.2000000	GAL	0.2000	38.8043	-123.0104

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
10/24/2013	Reed	E282H704	312	Ditch (natural)	04	Vectobac GS	0.5000000	LB	0.0500	38.6801	-122.8703
11/7/2013	Reed	E282H704	312	Ditch (natural)	04	Agnique MMF	0.2000000	GAL	0.2000	38.6801	-122.8703
11/12/2013	Morton	03871508	312	Ditch (natural)	04	Agnique MMF	0.5000000	OZ	0.0045	38.2344	-122.4560
11/12/2013	Leslie	04415118	312	Ditch (natural)	04	MetaLarv S-PT	0.2300000	LB	0.0230	38.4264	-122.7018
4/25/2013	Wiles	03794108	312	Ditch (natural)	05	Pyrocide 5% - GAL	10.0000000	OZ	12.0000	38.3030	-122.4776
5/7/2013	Nadale	04M01200	312	Ditch (natural)	05	Pyrocide 5% - GAL	15.0000000	OZ	18.2900	38.0784	-122.5265
5/24/2013	Wiles	03794108	312	Ditch (natural)	05	Pyrocide 5% - GAL	7.0000000	OZ	8.5000	38.3030	-122.4776
1/3/2013	Filippi	A543D102	425	Low Area	04	Vectomax FG	0.5000000	LB	0.0250	38.0659	-122.8050



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/4/2013	Beck	01346509	425	Low Area	04	Vectomax FG	0.0340000	LB	0.0034	37.8627	-122.4224
1/10/2013	Edwards	02163408	425	Low Area	04	Agnique MMF	1.6000000	OZ	0.0114	37.9869	-122.4657
1/15/2013	Filippi	E440C201	425	Low Area	04	Vectomax FG	0.0500000	LB	0.0025	38.3038	-123.0633
1/15/2013	Edwards	01226312	425	Low Area	04	BVA2	0.3500000	OZ	0.0005	37.9512	-122.4903
1/15/2013	Edwards	01226312	425	Low Area	04	Altosid Briquets XR	1.0000000	EA	0.0005	37.9512	-122.4903
1/15/2013	Cole	02055406	425	Low Area	04	Vectobac 12AS	0.8000000	OZ	0.0250	38.0450	-122.5128
1/15/2013	Cole	02052616	425	Low Area	04	Vectobac 12AS	8.0000000	OZ	0.2500	38.0291	-122.5445
1/16/2013	Sequeira	03982101	425	Low Area	04	Agnique MMF	3.0000000	OZ	3.0000	38.1755	-122.4542

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/16/2013	Cole	02053405	425	Low Area	04	Vectobac 12AS	8.0000000	OZ	0.2500	38.0448	-122.5238
1/17/2013	Beck	01345517	425	Low Area	04	BVA2	0.0013000	OZ	0.0021	37.8934	-122.4492
1/17/2013	Cole	02053303	425	Low Area	04	Vectobac 12AS	128.0000000	OZ	4.0000	38.0601	-122.4961
1/17/2013	Cole	02053304	425	Low Area	04	Vectobac 12AS	32.0000000	OZ	1.0000	38.0652	-122.4941
1/17/2013	Cole	02053301	425	Low Area	04	Vectobac 12AS	256.0000000	OZ	8.0000	38.0631	-122.5271
1/18/2013	Russo	05284107	425	Low Area	04	Vectobac 12AS	32.0000000	OZ	1.0000	38.4703	-122.7665
1/18/2013	Russo	05284108	425	Low Area	04	Vectobac 12AS	8.0000000	OZ	0.2500	38.4703	-122.7678
1/18/2013	Russo	05164102	425	Low Area	04	Vectobac 12AS	16.0000000	OZ	0.5000	38.5125	-122.7658

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/18/2013	Mohrman	04392604	425	Low Area	04	Agnique MMF	512.0000000	OZ	4.0000	38.3961	-122.8455
1/18/2013	Cole	02053302	425	Low Area	04	Vectobac 12AS	64.0000000	OZ	2.0000	38.0665	-122.5216
1/22/2013	Beck	01274206	425	Low Area	04	Altosid Pellets	0.3400000	LB	0.0688	37.9140	-122.4790
1/22/2013	Miller	04276502	425	Low Area	04	Agnique MMF	2.0000000	OZ	2.0000	38.4449	-122.8050
1/22/2013	Petersen	01071401	425	Low Area	04	Vectobac 12AS	0.2200000	OZ	0.0068	38.0153	-122.6920
1/22/2013	Petersen	01232415	425	Low Area	04	Altosid Pellets	0.0030000	LB	0.0011	37.9500	-122.5378
1/22/2013	Petersen	01232509	425	Low Area	04	Vectobac 12AS	0.2200000	OZ	0.0068	37.9429	-122.5393
1/22/2013	Miller	04281506	425	Low Area	04	Agnique MMF	1.0000000	OZ	1.0000	38.4407	-122.7990

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/22/2013	Miller	04281502	425	Low Area	04	Agnique MMF	2.0000000	OZ	2.0000	38.4443	-122.7977
1/22/2013	Cole	02054403	425	Low Area	04	Vectobac 12AS	192.0000000	OZ	6.0000	38.0468	-122.5213
1/22/2013	Cole	02054402	425	Low Area	04	Vectobac 12AS	128.0000000	OZ	4.0000	38.0414	-122.5203
1/24/2013	Trisciuzzi	04763201	425	Low Area	04	Altosid Pellets	0.5000000	LB	0.2500	38.2969	-122.6663
1/22/2013	Beck	01293313	425	Low Area	04	Duplex	0.0001900	GAL	0.0007	37.9130	-122.5235
1/24/2013	Trisciuzzi	04773608	425	Low Area	04	Altosid Pellets	0.2500000	LB	0.1250	38.2604	-122.5984
1/24/2013	Miller	04406609	425	Low Area	04	Agnique MMF	32.0000000	OZ	0.5000	38.3976	-122.7472
1/24/2013	Miller	04406608	425	Low Area	04	Agnique MMF	128.0000000	OZ	1.0000	38.398	-122.7466

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/24/2013	Edwards	02135203	425	Low Area	04	Vectobac 12AS	7.0000000	OZ	0.2295	38.0128	-122.5081
1/24/2013	Edwards	02135217	425	Low Area	04	Vectobac 12AS	0.3500000	OZ	0.0114	38.0133	-122.5084
1/24/2013	Wells	E361B202	425	Low Area	04	BVA2	***.*****	OZ	6.0000	38.5081	-122.9977
1/24/2013	Wells	E361C402	425	Low Area	04	BVA2	512.0000000	OZ	0.8000	38.4975	-122.9914
1/24/2013	Edwards	02162512	425	Low Area	04	Vectobac 12AS	64.0000000	OZ	2.0000	37.9797	-122.4774
1/24/2013	Edwards	02162512	425	Low Area	04	Agnique MMF	1.5000000	OZ	0.0114	37.9797	-122.4774
1/24/2013	Wells	E381B101	425	Low Area	04	Agnique MMF	192.0000000	OZ	1.5000	38.4684	-123.0026
1/24/2013	Filippi	A522H201	425	Low Area	04	Vectomax FG	0.1300000	LB	0.0065	38.1084	-122.8453

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/24/2013	Russo	05032604	425	Low Area	04	Vectobac 12AS	32.0000000	OZ	1.0000	38.5255	-122.7955
1/24/2013	Tescalco	02033603	425	Low Area	04	Duplex	540.0000000	OZ	15.0000	38.0835	-122.5032
1/24/2013	Cole	02053301	425	Low Area	04	Vectobac 12AS	608.0000000	OZ	19.0000	38.0631	-122.5271
1/24/2013	Nadale	02033603	425	Low Area	04	Duplex	360.0000000	OZ	10.0000	38.0835	-122.5032
1/24/2013	Nadale	02033604	425	Low Area	04	Duplex	180.0000000	OZ	5.0000	38.0746	-122.5254
1/25/2013	Leslie	05525204	425	Low Area	04	Vectolex FG	1.5000000	LB	0.2500	38.3768	-122.7024
1/25/2013	Tescalco	02026404	425	Low Area	04	Duplex	540.0000000	OZ	15.0000	38.1394	-122.5581
1/25/2013	Leslie	09M01448	425	Low Area	04	Vectolex FG	12.0000000	LB	2.0000	38.3753	-122.6988

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/25/2013	Miller	04281503	425	Low Area	04	Agnique MMF	2.0000000	OZ	2.0000	38.4411	-122.8029
1/25/2013	Miller	04281503	425	Low Area	04	BVA2	320.0000000	OZ	0.5000	38.4411	-122.8029
1/25/2013	Miller	04276506	425	Low Area	04	Agnique MMF	2.0000000	OZ	2.0000	38.4421	-122.8052
1/25/2013	Miller	04276506	425	Low Area	04	BVA2	320.0000000	OZ	0.5000	38.4421	-122.8052
1/25/2013	Leslie	04525209	425	Low Area	04	Vectolex FG	6.0000000	LB	1.0000	38.3813	-122.7082
1/25/2013	Wells	E302H204	425	Low Area	04	Vectobac 12AS	864.0000000	OZ	27.0000	38.6651	-122.8717
1/28/2013	Beardsley	04661212	425	Low Area	04	Agnique MMF	2.4000000	OZ	0.0370	38.20-0	122-6-56
1/28/2013	Cole	02053303	425	Low Area	04	Vectobac 12AS	0.6000000	GAL	2.5000	38.0601	-122.4961

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/28/2013	Wiles	05186101	425	Low Area	04	Vectobac 12AS	1.8000000	OZ	0.0574	38.5127	-122.6338
1/28/2013	Wiles	05313609	425	Low Area	04	Duplex	3.2000000	OZ	0.1000	38.4393	-122.6035
1/28/2013	Miller	04411601	425	Low Area	04	Agnique MMF	0.0000156	OZ	1.0000	38.3913	-122.7350
1/28/2013	Miller	04411615	425	Low Area	04	Agnique MMF	0.0000156	OZ	1.0000	38.3920	-122.7338
1/28/2013	Nadale	02026405	425	Low Area	04	Duplex	1.2500000	GAL	5.0000	38.1480	-122.5441
1/28/2013	Reed	E261F306	425	Low Area	04	Vectobac GS	1.0000000	LB	0.1000	38.7632	-122.9690
1/28/2013	Tescalco	02026505	425	Low Area	04	Duplex	0.7000000	GAL	2.5000	38.1388	-122.5622
1/28/2013	Tescalco	02026405	425	Low Area	04	Duplex	0.7000000	GAL	2.5000	38.1480	-122.5441



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/28/2013	Leslie	05526204	425	Low Area	04	Vectobac GS	0.5730000	LB	0.0573	38.3758	-122.6962
1/29/2013	Wells	E302G105	425	Low Area	04	Aquabac XT	1.7500000	GAL	7.0000	38.6736	-122.8726
1/29/2013	Mohrman	04134303	425	Low Area	04	Vectobac 12AS	0.0500000	GAL	0.2000	38.5028	-122.9384
1/29/2013	Mohrman	04141201	425	Low Area	04	Vectobac 12AS	0.0057031	GAL	0.0229	38.5043	-122.9114
1/29/2013	Mohrman	04141303	425	Low Area	04	Vectobac 12AS	0.1000000	GAL	0.4000	38.4734	-122.8946
1/29/2013	Mohrman	04141604	425	Low Area	04	Vectobac 12AS	0.0250000	GAL	0.1000	38.4836	-122.9159
1/29/2013	Wells	E302H302	425	Low Area	04	Aquabac XT	0.5000000	GAL	2.0000	38.6602	-122.8727
1/29/2013	Wells	E302H401	425	Low Area	04	Aquabac XT	0.5000000	GAL	2.0000	38.6535	-122.8745

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1/29/2013	Mohrman	04264202	425	Low Area	04	Vectobac 12AS	0.1000000	GAL	0.4000	38.4698	-122.888
1/29/2013	Tescallo	02032309	425	Low Area	04	Duplex	3.6562500	GAL	13.0000	38.1077	-122.5654
1/30/2013	Russo	05032613	425	Low Area	04	Agnique MMF	0.1250000	GAL	0.2500	38.5270	-122.7895
1/30/2013	Russo	05025426	425	Low Area	04	Vectobac GS	10.0000000	LB	0.5000	38.5346	-122.8175
1/30/2013	Leslie	05524102	425	Low Area	04	Vectobac GS	5.0000000	LB	0.5000	38.3853	-122.7134
1/30/2013	Beardsley	04651210	425	Low Area	04	Vectomax FG	5.0000000	LB	0.5000	38.3453	-122.6737
1/30/2013	Leslie	05524103	425	Low Area	04	Vectobac GS	5.0000000	LB	0.5000	38.3841	-122.7134
1/30/2013	Leslie	05525222	425	Low Area	04	Vectobac GS	5.0000000	LB	0.5000	38.3772	-122.7037

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/30/2013	Leslie	05525220	425	Low Area	04	Vectobac GS	2.0000000	LB	0.2000	38.3791	-122.7028
1/30/2013	Miller	04395502	425	Low Area	04	Agnique MMF	3.0000000	GAL	3.0000	38.4028	-122.8171
1/30/2013	Leslie	05525211	425	Low Area	04	Vectobac GS	2.5000000	LB	0.2500	38.3858	-122.7048
1/30/2013	Leslie	04415504	425	Low Area	04	Vectobac GS	0.0680000	LB	0.0068	38.4038	-122.6992
1/30/2013	Mohrman	04386112	425	Low Area	04	Vectobac 12AS	0.0085937	GAL	0.0344	38.4306	-122.8708
1/30/2013	Mohrman	04386404	425	Low Area	04	Vectobac 12AS	0.2000000	GAL	0.8000	38.4116	-122.8604
1/30/2013	Mohrman	04265413	425	Low Area	04	Vectobac 12AS	0.0625000	GAL	0.2500	38.4492	-122.8775
1/30/2013	Mohrman	04265605	425	Low Area	04	Vectobac 12AS	0.0250000	GAL	0.1000	38.4330	-122.8709

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/30/2013	Russo	05026307	425	Low Area	04	Vectobac GS	5.0000000	LB	0.2500	38.5416	-122.8094
1/30/2013	Leslie	05414507	425	Low Area	04	Vectobac GS	2.0000000	LB	0.2000	38.4015	-122.7074
1/30/2013	Cole	02053506	425	Low Area	04	Vectobac 12AS	0.2500000	GAL	1.0000	38.0349	-122.5213
1/31/2013	Beardsley	04643304	425	Low Area	04	Altosid Pellets	1.2500000	LB	0.2500	38.3309	-122.7179
1/31/2013	Mohrman	04263301	425	Low Area	04	Vectobac 12AS	0.4000000	GAL	1.6000	38.4554	-122.8935
1/31/2013	Mohrman	04263302	425	Low Area	04	Vectobac 12AS	0.1000000	GAL	0.4000	38.4548	-122.8945
1/31/2013	Tescallo	02032302	425	Low Area	04	Duplex	1.4062500	GAL	5.0000	38.1089	-122.5339
1/31/2013	Miller	04276503	425	Low Area	04	Vectobac 12AS	0.0937500	GAL	0.5000	38.4403	-122.8061

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/31/2013	Wiles	03795505	425	Low Area	04	BVA2	1.0000000	GAL	0.2000	38.2780	-122.4770
1/31/2013	Wiles	03944403	425	Low Area	04	BVA2	0.5000000	GAL	0.1000	38.1943	-122.4354
2/1/2013	Wells	E323A110	425	Low Area	04	BVA2	0.0350000	GAL	0.0070	38.6328	-122.8312
2/1/2013	Wells	E302H302	425	Low Area	04	Agnique MMF	1.0000000	GAL	1.0000	38.6602	-122.8727
2/1/2013	Russo	05151401	425	Low Area	04	Duplex	0.5625000	GAL	2.0000	38.4959	-122.8515
2/1/2013	Beck	01346509	425	Low Area	04	Altosid Pellets	0.0330000	LB	0.0034	37.8627	-122.4224
2/1/2013	Russo	05151403	425	Low Area	04	Vectobac GS	35.0000000	LB	1.7500	38.4930	-122.8524
2/1/2013	Trisciuzzi	04841501	425	Low Area	04	Duplex	0.5625000	GAL	2.0000	38.2381	-122.6243

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/1/2013	Trisciuzzi	04842504	425	Low Area	04	Duplex	0.9843750	GAL	3.5000	38.2331	-122.6186
2/1/2013	Mohrman	04391503	425	Low Area	04	Vectobac GS	40.0000000	LB	4.0000	38.4022	-122.8236
2/1/2013	Nadale	02032603	425	Low Area	04	Duplex	0.7031250	GAL	2.5000	38.0805	-122.5271
2/1/2013	Tescallo	02025607	425	Low Area	04	Duplex	36.0000000	OZ	1.0000	38.1228	-122.5670
2/4/2013	Beck	01335204	425	Low Area	04	Vectomax FG	0.0240000	LB	0.0023	37.8689	-122.5058
2/4/2013	Petersen	02053203	425	Low Area	04	Altosid Pellets	0.0240000	LB	0.0091	38.0621	-122.5307
2/4/2013	Petersen	02054306	425	Low Area	04	Vectobac 12AS	0.1250000	GAL	0.5000	38.053	-122.5209
2/4/2013	Wells	E361C405	425	Low Area	04	Agnique MMF	1.0000000	GAL	1.5000	38.4979	-122.9901

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/31/2013	Helicopter	03944403	425	Low Area	04	Duplex SR20	2.5800000	GAL	10.0000	38.1943	-122.4354
2/5/2013	Leslie	04526203	425	Low Area	04	Agnique MMF	0.1000000	GAL	0.2000	38.3813	-122.7028
2/5/2013	Wells	E302H601	425	Low Area	04	Agnique MMF	0.0100000	GAL	0.0200	38.6401	-122.8654
1/30/2013	Helicopter	02032309	425	Low Area	04	Duplex SR20	57.4900000	GAL	223.0000	38.1077	-122.5654
1/30/2013	Helicopter	02032310	425	Low Area	04	Duplex SR20	12.3700000	GAL	48.0000	38.1073	-122.5666
1/30/2013	Helicopter	02032302	425	Low Area	04	Duplex SR20	39.7000000	GAL	154.0000	38.1089	-122.5339
1/30/2013	Helicopter	02033301	425	Low Area	04	Duplex SR20	12.3700000	GAL	48.0000	38.1049	-122.5339
1/30/2013	Helicopter	02053303	425	Low Area	04	Duplex SR20	14.1700000	GAL	55.0000	38.0601	-122.4961

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/30/2013	Helicopter	02053304	425	Low Area	04	Duplex SR20	4.1200000	GAL	16.0000	38.0652	-122.4941
1/30/2013	Helicopter	02915601	425	Low Area	04	Duplex SR20	11.3400000	GAL	44.0000	38.1919	-122.5848
2/5/2013	Wells	E302H614	425	Low Area	04	Agnique MMF	0.0011500	GAL	0.0023	38.6422	-122.8658
2/5/2013	Wiles	03944403	425	Low Area	04	Duplex	0.7109375	GAL	3.5000	38.1943	-122.4354
2/6/2013	Petersen	02053302	425	Low Area	04	BVA2	0.0085937	GAL	0.0017	38.0665	-122.5216
2/6/2013	Petersen	02053506	425	Low Area	04	Agnique MMF	0.0022890	GAL	0.0046	38.0349	-122.5213
2/6/2013	Petersen	02123109	425	Low Area	04	Vectolex FG	0.1377000	LB	0.0069	38.0264	-122.5315
2/7/2013	Wells	E302H401	425	Low Area	04	Vectobac 12AS	0.1500000	GAL	0.6000	38.6535	-122.8745



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/7/2013	Mohrman	04512403	425	Low Area	04	Vectobac 12AS	0.1875000	GAL	0.7500	38.3698	-122.7885
2/7/2013	Nadale	02032302	425	Low Area	04	Duplex	1.4062500	GAL	5.0000	38.1089	-122.5339
2/7/2013	Mohrman	04514601	425	Low Area	04	Vectomax FG	15.0000000	LB	1.5000	38.3559	-122.7707
2/8/2013	Beardsley	04642102	425	Low Area	04	Altosid Pellets	0.2300000	LB	0.0459	38.3399	-122.7251
2/8/2013	Beardsley	04642103	425	Low Area	04	Altosid Pellets	0.3400000	LB	0.0680	38.3402	-122.7258
2/8/2013	Edwards	02135203	425	Low Area	04	Vectobac 12AS	0.1250000	GAL	0.5000	38.0128	-122.5081
2/8/2013	Edwards	02135217	425	Low Area	04	Vectobac 12AS	0.0625000	GAL	0.2500	38.0133	-122.5084
2/8/2013	Mohrman	04512406	425	Low Area	04	Agnique MMF	1.5000000	GAL	1.5000	38.3652	-122.7887

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/8/2013	Beardsley	04642202	425	Low Area	04	Altosid Pellets	0.0250000	LB	0.0050	38.3342	-122.7284
2/8/2013	Mohrman	04511408	425	Low Area	04	Agnique MMF	0.5000000	GAL	0.5000	38.3655	-122.792
2/8/2013	Beardsley	04642204	425	Low Area	04	Altosid Pellets	0.1720000	LB	0.0340	38.3369	-122.7291
1/30/2013	Hawk	02032302	425	Low Area	04	Duplex	2.2440000	GAL	8.0000	38.1089	-122.5339
1/30/2013	Hawk	02032309	425	Low Area	04	Duplex	5.3900000	GAL	19.2000	38.1077	-122.5654
2/12/2013	Edwards	02135209	425	Low Area	04	Agnique MMF	0.0113281	GAL	0.0114	38.0123	-122.5122
2/12/2013	Filippi	A605C403	425	Low Area	04	Agnique MMF	0.0156250	GAL	0.0312	37.8983	-122.6412
2/12/2013	Filippi	A605A206	425	Low Area	04	Agnique MMF	0.0143468	GAL	0.0286	37.9085	-122.6606

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/12/2013	Edwards	02135203	425	Low Area	04	Agnique MMF	0.2500000	GAL	0.2500	38.0128	-122.5081
2/12/2013	Trisciuzzi	04842504	425	Low Area	04	Agnique MMF	0.2500000	GAL	0.2500	38.2331	-122.6186
2/12/2013	Mohrman	04386304	425	Low Area	04	Fourstar SBG	3.0000000	LB	0.1500	38.4184	-122.8678
2/12/2013	Mohrman	04386305	425	Low Area	04	Fourstar SBG	20.0000000	LB	1.0000	38.4137	-122.8643
2/12/2013	Mohrman	04386301	425	Low Area	04	Fourstar SBG	20.0000000	LB	2.0000	38.4182	-122.8655
2/12/2013	Mohrman	04386307	425	Low Area	04	Fourstar SBG	5.0000000	LB	0.5000	38.4167	-122.8641
2/12/2013	Mohrman	04386307	425	Low Area	04	Agnique MMF	0.5000000	GAL	0.5000	38.4167	-122.8641
2/12/2013	Mohrman	04386308	425	Low Area	04	Fourstar SBG	10.0000000	LB	0.5000	38.4156	-122.8627

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/13/2013	Trisciuzzi	04825203	425	Low Area	04	Agnique MMF	0.2500000	GAL	0.2500	38.2598	-122.7024
2/13/2013	Leslie	04525214	425	Low Area	04	Altosid Pellets	1.5000000	LB	0.5000	38.388	-122.7102
2/13/2013	Tescallo	02026405	425	Low Area	04	Duplex	3.3750000	GAL	12.0000	38.1480	-122.5441
2/13/2013	Wiles	05312401	425	Low Area	04	Agnique MMF	0.0022656	GAL	0.0023	38.4505	-122.6181
2/13/2013	Trisciuzzi	04754206	425	Low Area	04	Agnique MMF	0.0312500	GAL	0.0625	38.2923	-122.7093
2/14/2013	Trisciuzzi	04842504	425	Low Area	04	Duplex	0.7031250	GAL	2.5000	38.2331	-122.6186
2/14/2013	Mohrman	04386110	425	Low Area	04	Altosid Briquets XR	0.2222200	LB	0.0022	38.4321	-122.8643
2/14/2013	Wiles	03884613	425	Low Area	04	Duplex	2.8125000	OZ	10.0000	38.1984	-122.3891

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/15/2013	Trisciuzzi	04825203	425	Low Area	04	Agnique MMF	0.1250000	GAL	0.1250	38.2598	-122.7024
2/15/2013	Trisciuzzi	04825105	425	Low Area	04	Agnique MMF	0.1250000	GAL	0.1250	38.2591	-122.7008
2/15/2013	Mohrman	04386301	425	Low Area	04	Agnique MMF	1.2500000	GAL	1.2500	38.4182	-122.8655
2/15/2013	Petersen	02053303	425	Low Area	04	Duplex	0.2810000	GAL	1.0000	38.0601	-122.4961
2/15/2013	Mohrman	04392410	425	Low Area	04	Agnique MMF	0.0459062	GAL	0.0459	38.4120	-122.8469
2/20/2013	Miller	04395602	425	Low Area	04	Vectobac 12AS	0.1718750	GAL	1.0000	38.3916	-122.8086
2/20/2013	Tescallo	02026405	425	Low Area	04	Duplex	5.0625000	GAL	18.0000	38.1480	-122.5441
2/20/2013	Nadale	02026405	425	Low Area	04	Duplex	2.2500000	GAL	8.0000	38.1480	-122.5441

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/20/2013	Russo	05025515	425	Low Area	04	Vectobac 12AS	0.0625000	GAL	0.2500	38.1526	1224.015
2/21/2013	Mohrman	04386220	425	Low Area	04	Agnique MMF	0.0573906	GAL	0.0573	38.4247	-122.8655
2/21/2013	Filippi	E442B104	425	Low Area	04	Altosid Pellets	0.0275000	LB	0.0090	38.3190	-122.9187
2/20/2013	Petersen	02053304	425	Low Area	04	Vectobac 12AS	0.7500000	GAL	3.0000	38.0652	-122.4941
2/20/2013	Petersen	02053303	425	Low Area	04	Vectobac 12AS	0.2500000	GAL	1.0000	38.0601	-122.4961
2/21/2013	Filippi	A604E201	425	Low Area	04	Agnique MMF	0.7500000	GAL	1.5000	37.9053	-122.7004
2/21/2013	Miller	04403209	425	Low Area	04	Vectobac 12AS	0.0625000	GAL	0.2500	38.4180	-122.7746
2/21/2013	Miller	04403205	425	Low Area	04	Vectobac 12AS	0.1250000	GAL	0.5000	38.4182	-122.7744

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/21/2013	Miller	04403210	425	Low Area	04	Vectobac 12AS	0.0468750	GAL	0.2000	38.4213	-122.7757
2/21/2013	Trisciuzzi	04973303	425	Low Area	04	Agnique MMF	1.0000000	GAL	1.0000	38.15	-122.4991
2/21/2013	Reed	0EM01879	425	Low Area	04	Vectobac GS	0.1000000	LB	0.0100	.	.
2/21/2013	Petersen	02054402	425	Low Area	04	Vectobac 12AS	0.7500000	GAL	3.0000	38.0414	-122.5203
2/21/2013	Petersen	02054403	425	Low Area	04	Vectobac 12AS	1.1250000	GAL	4.5000	38.0468	-122.5213
2/14/2013	Sequeira	03884613	425	Low Area	04	Duplex	5.6250000	GAL	20.0000	38.1984	-122.3891
2/22/2013	Beardsley	04652103	425	Low Area	04	Altosid Pellets	0.1800000	LB	0.0360	38.3419	-122.6727
2/22/2013	Miller	04402107	425	Low Area	04	Vectobac 12AS	0.0937500	GAL	0.5000	38.4298	-122.7844

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/22/2013	Wiles	03884613	425	Low Area	04	Vectobac 12AS	0.0109375	GAL	0.0459	38.1984	-122.3891
2/22/2013	Beck	01326427	425	Low Area	04	Duplex	0.0037000	GAL	0.0137	37.9021	-122.4929
2/22/2013	Beardsley	04516314	425	Low Area	04	Altosid Pellets	0.1370000	LB	0.0270	38.3706	-122.7541
2/25/2013	Beardsley	04644306	425	Low Area	04	Altosid Pellets	2.5000000	LB	0.5000	38.3273	-122.7098
2/25/2013	Beardsley	04644314	425	Low Area	04	Altosid Pellets	1.2500000	LB	0.2500	38.3277	-122.7091
2/25/2013	Filippi	A605C412	425	Low Area	04	Vectomax FG	5.0000000	LB	0.2500	37.8956	-122.6385
2/25/2013	Wiles	03561601	425	Low Area	04	Agnique MMF	0.0031250	GAL	0.0034	38.3530	-122.5083
2/25/2013	Tescalco	02033301	425	Low Area	04	Duplex	4.2187500	GAL	15.0000	38.1049	-122.5339



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/25/2013	Nadale	02033301	425	Low Area	04	Duplex	5.6250000	GAL	20.0000	38.1049	-122.5339
2/26/2013	Beardsley	04522204	425	Low Area	04	Altosid Pellets	0.0110000	LB	0.0022	38.3731	-122.7242
2/26/2013	Beardsley	04521321	425	Low Area	04	Altosid Pellets	1.2500000	LB	0.2500	38.3721	-122.7372
2/26/2013	Nadale	02915601	425	Low Area	04	Duplex	1.9687500	OZ	7.0000	38.1919	-122.5848
2/26/2013	Petersen	02053405	425	Low Area	04	Agnique MMF	0.0045914	GAL	0.0092	38.0448	-122.5238
2/26/2013	Russo	05165613	425	Low Area	04	Vectolex WSP	0.1759999	LB	0.0183	38.4817	-122.7579
2/26/2013	Tescalco	02032220	425	Low Area	04	Duplex	0.2812500	GAL	1.0000	38.1127	-122.5398
2/26/2013	Tescalco	02032221	425	Low Area	04	Duplex	0.5625000	GAL	2.0000	38.1122	-122.5377

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/26/2013	Tescalco	02032219	425	Low Area	04	Duplex	0.5625000	GAL	2.0000	38.1110	-122.5396
2/27/2013	Petersen	02053302	425	Low Area	04	Vectobac 12AS	1.2500000	GAL	5.0000	38.0665	-122.5216
2/27/2013	Petersen	02053301	425	Low Area	04	Vectobac 12AS	0.5000000	GAL	2.0000	38.0631	-122.5271
2/27/2013	Petersen	02054306	425	Low Area	04	Vectolex FG	0.1835000	LB	0.0091	38.053	-122.5209
2/27/2013	Petersen	02055404	425	Low Area	04	BVA2	0.0229531	GAL	0.0045	38.0460	-122.5096
2/27/2013	Petersen	02123119	425	Low Area	04	Vectolex FG	0.2290000	LB	0.0115	38.0254	-122.5221
2/27/2013	Wiles	05312402	425	Low Area	04	BVA2	0.0281250	GAL	0.0057	38.4514	-122.6241
2/27/2013	Wiles	05313609	425	Low Area	04	Vectobac 12AS	0.0367187	GAL	0.1492	38.4393	-122.6035

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/28/2013	Morton	03872501	425	Low Area	04	Agnique MMF	0.1000000	GAL	0.2500	38.2334	-122.4524
2/28/2013	Morton	03872508	425	Low Area	04	Agnique MMF	0.1000000	GAL	0.2500	38.2334	-122.4523
2/28/2013	Beardsley	05424302	425	Low Area	04	Vectomax FG	10.0000000	LB	1.0000	38.4138	-122.6540
2/28/2013	Beardsley	05424303	425	Low Area	04	Vectomax FG	1.2500000	LB	0.1250	38.4143	-122.6556
2/28/2013	Tescalco	02032309	425	Low Area	04	Duplex	0.4218750	GAL	1.5000	38.1077	-122.5654
2/28/2013	Nadale	02033604	425	Low Area	04	Duplex	0.2812500	GAL	1.0000	38.0746	-122.5254
2/28/2013	Nadale	02033603	425	Low Area	04	Duplex	1.4062500	GAL	5.0000	38.0835	-122.5032
2/27/2013	Helicopter	02053303	425	Low Area	04	Vectolex FG	550.0000000	LB	55.0000	38.0601	-122.4961

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
2/27/2013	Helicopter	02053304	425	Low Area	04	Vectolex FG	160.0000000	LB	16.0000	38.0652	-122.4941
2/27/2013	Helicopter	02032310	425	Low Area	04	Duplex SR20	12.3700000	GAL	48.0000	38.1073	-122.5666
2/27/2013	Helicopter	02032302	425	Low Area	04	Vectobac 12AS	37.5000000	GAL	150.0000	38.1089	-122.5339
2/27/2013	Helicopter	02032309	425	Low Area	04	Duplex SR20	64.4500000	GAL	250.0000	38.1077	-122.5654
2/27/2013	Helicopter	03944304	425	Low Area	04	Duplex SR20	5.1500000	GAL	20.0000	38.2033	-122.4313
2/27/2013	Helicopter	03884613	425	Low Area	04	Duplex SR20	6.4400000	GAL	25.0000	38.1984	-122.3891
2/28/2013	Tescalco	02033604	425	Low Area	04	Agnique MMF	0.0039062	GAL	0.0045	38.0746	-122.5254
3/1/2013	Reed	OEM01879	425	Low Area	04	Vectobac GS	0.0050000	LB	0.0005	.	.

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/1/2013	Nadale	02033603	425	Low Area	04	Duplex	1.4062500	GAL	5.0000	38.0835	-122.5032
3/1/2013	Trisciuzzi	02914402	425	Low Area	04	Duplex	0.7031250	GAL	2.5000	38.2030	-122.5911
3/1/2013	Nadale	02033605	425	Low Area	04	Vectolex WDG	10.0000000	LB	10.0000	38.0778	-122.4992
3/4/2013	Reed	E241B702	425	Low Area	04	Vectomax FG	0.0570000	LB	0.0057	38.7808	-123.0140
2/26/2013	Hawk	02032309	425	Low Area	04	Duplex	5.3900000	GAL	19.2000	38.1077	-122.5654
2/21/2013	Walker	02053101	425	Low Area	04	Altosid Pellets	6.0000000	LB	2.0000	38.0691	-122.5276
3/4/2013	Morton	03803404	425	Low Area	04	Agnique MMF	0.2500000	GAL	0.5000	38.2836	-122.4390
3/5/2013	Wells	E302H401	425	Low Area	04	Vectolex FG	20.0000000	LB	1.0000	38.6535	-122.8745

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/5/2013	Filippi	E463G409	425	Low Area	04	Vectomax FG	10.0000000	LB	0.5000	38.2481	-122.7794
3/5/2013	Petersen	02053303	425	Low Area	04	Vectolex FG	40.0000000	LB	2.0000	38.0601	-122.4961
3/7/2013	Wells	E302G105	425	Low Area	04	Vectomax FG	30.0000000	LB	1.5000	38.6736	-122.8726
3/7/2013	Nadale	02032603	425	Low Area	04	Agnique MMF	0.0996093	GAL	0.1500	38.0805	-122.5271
3/7/2013	Miller	14M01385	425	Low Area	04	Vectobac 12AS	0.5000000	GAL	2.0000	38.4121	-122.7520
3/7/2013	Beck	01346517	425	Low Area	04	Altosid Briquets XR	0.2222200	LB	0.0013	37.8627	-122.4224
3/7/2013	Beck	01346509	425	Low Area	04	Altosid Pellets	0.0340000	LB	0.0034	37.8627	-122.4224
3/7/2013	Mohrman	04504105	425	Low Area	04	Altosid Briquets XR	0.5555500	LB	0.0057	38.3868	-122.8326

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/8/2013	Leslie	05171502	425	Low Area	04	Vectobac GS	2.0000000	LB	0.2000	38.4928	-122.7403
1/16/2013	Sequeira	05151401	425	Low Area	04	Agnique MMF	384.0000000	OZ	3.0000	38.4959	-122.8515
3/11/2013	Miller	04282504	425	Low Area	04	Agnique MMF	0.1875000	GAL	0.2000	38.4436	-122.7851
3/12/2013	Edwards	02162512	425	Low Area	04	Vectobac GS	12.5000000	LB	1.2500	37.9797	-122.4774
3/13/2013	Mohrman	04392604	425	Low Area	04	Vectomax FG	20.0000000	LB	1.5000	38.3961	-122.8455
3/13/2013	Trisciuzzi	04842504	425	Low Area	04	Vectolex FG	20.0000000	LB	2.0000	38.2331	-122.6186
3/13/2013	Russo	05025416	425	Low Area	04	Altosid Pellets	0.0688000	LB	0.0229	38.5575	-122.8258
3/13/2013	Reed	0EM01879	425	Low Area	04	Vectobac GS	0.1100000	LB	0.0110	.	.

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/13/2013	Petersen	02053301	425	Low Area	04	Vectolex FG	0.0450000	LB	0.0022	38.0631	-122.5271
3/13/2013	Petersen	02053101	425	Low Area	04	Vectobac 12AS	1.2500000	GAL	5.0000	38.0691	-122.5276
3/13/2013	Nadale	02033603	425	Low Area	04	Duplex	2.8125000	GAL	10.0000	38.0835	-122.5032
3/14/2013	Russo	05024119	425	Low Area	04	Vectomax FG	5.0000000	LB	0.5000	38.5624	-122.8265
3/14/2013	Beardsley	04521318	425	Low Area	04	Altosid Pellets	5.0000000	LB	1.0000	38.3750	-122.7371
3/14/2013	Nadale	02026404	425	Low Area	04	Duplex	1.9687500	GAL	7.0000	38.1394	-122.5581
3/14/2013	Beardsley	04521317	425	Low Area	04	Altosid Pellets	2.5000000	LB	0.5000	38.3693	-122.7398
3/14/2013	Petersen	02053304	425	Low Area	04	Duplex	0.8430000	GAL	3.0000	38.0652	-122.4941



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/14/2013	Miller	04514505	425	Low Area	04	Vectolex FG	20.0000000	LB	1.0000	38.3649	-122.7708
3/15/2013	Reed	E241B702	425	Low Area	04	Vectomax FG	0.0230000	LB	0.0023	38.7808	-123.0140
3/15/2013	Filippi	E440C201	425	Low Area	04	Agnique MMF	0.0062500	GAL	0.0125	38.3038	-123.0633
3/15/2013	Beck	01293313	425	Low Area	04	Vectolex WSP	0.1319999	LB	0.0050	37.9130	-122.5235
3/15/2013	Miller	04405302	425	Low Area	04	Vectolex FG	40.0000000	LB	2.0000	38.4124	-122.7622
3/18/2013	Reed	E282G605	425	Low Area	04	Vectomax FG	0.1720000	LB	0.0172	38.6916	-122.8684
3/18/2013	Filippi	A543E407	425	Low Area	04	Vectomax FG	5.0000000	LB	0.2500	38.0452	-122.7920
3/18/2013	Petersen	02053302	425	Low Area	04	Vectobac 12AS	160.0000000	OZ	5.0000	38.0665	-122.5216

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/18/2013	Mohrman	04263301	425	Low Area	04	Agnique MMF	32.0000000	OZ	0.2500	38.4554	-122.8935
3/19/2013	Mohrman	04265605	425	Low Area	04	Vectomax FG	2.0000000	LB	0.1000	38.4330	-122.8709
3/21/2013	Reed	0EM01879	425	Low Area	04	Vectomax FG	0.2290000	LB	0.0229	.	.
3/22/2013	Petersen	02054402	425	Low Area	04	Vectobac 12AS	96.0000000	OZ	3.0000	38.0414	-122.5203
3/22/2013	Petersen	02054404	425	Low Area	04	Vectobac 12AS	64.0000000	OZ	2.0000	38.0414	-122.5201
3/22/2013	Beardsley	04642202	425	Low Area	04	Vectomax FG	35.0000000	LB	3.5000	38.3342	-122.7284
3/22/2013	Filippi	A605C412	425	Low Area	04	Vectomax FG	2.5000000	LB	0.1250	37.8956	-122.6385

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3/25/2013	Filippi	A504F409	425	Low Area	04	Vectomax FG	5.0000000	LB	0.2500	38.1517	-122.7098
3/25/2013	Mohrman	08M01357	425	Low Area	04	Vectobac 12AS	16.0000000	OZ	0.5000	38.4794	-122.9053
3/26/2013	Tescallo	02032309	425	Low Area	04	Duplex	180.0000000	OZ	5.0000	38.1077	-122.5654
3/26/2013	Edwards	01226312	425	Low Area	04	Altosid Briquets XR	1.0000000	EA	0.0003	37.9512	-122.4903
3/26/2013	Edwards	01226312	425	Low Area	04	Sand Granules	0.0034430	LB	0.0003	37.9512	-122.4903
3/26/2013	Morton	03944304	425	Low Area	04	Duplex	360.0000000	OZ	10.0000	38.2033	-122.4313
3/26/2013	Morton	03982302	425	Low Area	04	Duplex	9.0000000	OZ	0.2500	38.1645	-122.4538
3/26/2013	Mohrman	08M01352	425	Low Area	04	Vectobac 12AS	1.4720000	OZ	0.0460	38.3785	-122.8180

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/26/2013	Petersen	02053303	425	Low Area	04	Vectomax FG	220.0000000	LB	22.0000	38.0601	-122.4961
3/26/2013	Petersen	02032309	425	Low Area	04	Duplex	360.0000000	OZ	10.0000	38.1077	-122.5654
3/26/2013	Wiles	03944304	425	Low Area	04	Duplex	360.0000000	OZ	10.0000	38.2033	-122.4313
3/27/2013	Petersen	01213222	425	Low Area	04	Agnique MMF	0.0730000	OZ	0.0011	37.9648	-122.5323
3/27/2013	Morton	03982101	425	Low Area	04	Duplex	180.0000000	OZ	5.0000	38.1755	-122.4542
3/27/2013	Wells	E302H401	425	Low Area	04	Vectomax FG	20.0000000	LB	1.0000	38.6535	-122.8745
3/27/2013	Mohrman	08M01360	425	Low Area	04	Altosid Briquets XR	4.0000000	EA	0.0206	38.4246	-122.8775
3/27/2013	Mohrman	08M01360	425	Low Area	04	Agnique MMF	2.5600000	OZ	0.0206	38.4246	-122.8775

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/27/2013	Tescallo	02033301	425	Low Area	04	Duplex	54.0000000	OZ	1.5000	38.1049	-122.5339
3/27/2013	Tescallo	02032302	425	Low Area	04	Duplex	72.0000000	OZ	2.0000	38.1089	-122.5339
3/28/2013	Petersen	02123119	425	Low Area	04	Vectolex FG	0.1830000	LB	0.0091	38.0254	-122.5221
3/28/2013	Morton	03884613	425	Low Area	04	Vectolex FG	40.0000000	LB	4.0000	38.1984	-122.3891
3/28/2013	Tescallo	02033605	425	Low Area	04	Vectolex WDG	5.0000000	LB	5.0000	38.0778	-122.4992
3/28/2013	Tescallo	02033603	425	Low Area	04	Duplex	360.0000000	OZ	10.0000	38.0835	-122.5032
3/29/2013	Filippi	A543E407	425	Low Area	04	BVA2	80.0000000	OZ	0.1250	38.0452	-122.7920
3/29/2013	Trisciuzzi	05M01502	425	Low Area	04	Altosid Briquets XR	1.0000000	EA	0.0010	38.2162	-122.6319

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/29/2013	Trisciuzzi	05M01502	425	Low Area	04	Agnique MMF	0.0520000	OZ	0.0010	38.2162	-122.6319
3/29/2013	Petersen	02053101	425	Low Area	04	Altosid Pellets	3.0000000	LB	0.9600	38.0691	-122.5276
3/29/2013	Reed	E241B702	425	Low Area	04	Altosid Pellets	1.0000000	LB	0.3300	38.7808	-123.0140
4/1/2013	Morton	03872501	425	Low Area	04	Altosid Pellets	0.6000000	LB	0.2000	38.2334	-122.4524
4/1/2013	Morton	03872508	425	Low Area	04	Altosid Pellets	0.1500000	LB	0.0500	38.2334	-122.4523
4/1/2013	Wiles	05313609	425	Low Area	04	BVA2	7.3000000	OZ	0.0115	38.4393	-122.6035
4/2/2013	Trisciuzzi	04842504	425	Low Area	04	Vectolex FG	10.0000000	LB	1.0000	38.2331	-122.6186
4/2/2013	Filippi	A605C403	425	Low Area	04	Vectomax FG	1.3000000	LB	0.0650	37.8983	-122.6412

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
4/2/2013	Wells	E323A110	425	Low Area	04	Agnique MMF	3.2000000	OZ	0.0500	38.6328	-122.8312
4/3/2013	Morton	03944304	425	Low Area	04	Vectolex FG	120.0000000	LB	12.0000	38.2033	-122.4313
4/3/2013	Petersen	02053103	425	Low Area	04	Altosid Pellets	0.0030000	LB	0.0011	38.0645	-122.5304
4/4/2013	Petersen	02053302	425	Low Area	04	Duplex	1.4000000	GAL	5.0000	38.0665	-122.5216
4/4/2013	Peterson	0EM02005	425	Low Area	04	Agnique MMF	0.8700000	OZ	0.0068	38.5383	-122.9824
4/4/2013	Petersen	02053303	425	Low Area	04	Duplex	0.5600000	GAL	2.0000	38.0601	-122.4961
4/5/2013	Leslie	05294309	425	Low Area	04	Vectomax FG	0.8610000	LB	0.0861	38.4626	-122.7083
4/9/2013	Morton	03982302	425	Low Area	04	Duplex	72.0000000	OZ	2.0000	38.1645	-122.4538

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
4/9/2013	Trisciuzzi	04973303	425	Low Area	04	Vectolex WDG	0.5000000	LB	0.5000	38.15	-122.4991
4/9/2013	Miller	04512201	425	Low Area	04	Vectomax FG	10.0000000	LB	0.5000	38.3790	-122.7906
4/9/2013	Miller	14M01384	425	Low Area	04	Vectomax FG	10.0000000	LB	0.5000	38.3789	-122.7932
4/9/2013	Mohrman	04263401	425	Low Area	04	Agnique MMF	25.6000000	OZ	0.2000	.	.
4/9/2013	Petersen	02032302	425	Low Area	04	Duplex	1.2000000	GAL	5.0000	38.1089	-122.5339
4/10/2013	Edwards	02123337	425	Low Area	04	BVA2	0.7500000	OZ	0.0011	38.0026	-122.5298
4/11/2013	Leslie	05294305	425	Low Area	04	Altosid Pellets	0.0276000	LB	0.0092	38.4595	-122.7040
4/11/2013	Beck	01335204	425	Low Area	04	Vectomax FG	0.0800000	LB	0.0045	37.8689	-122.5058



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
4/11/2013	Miller	04266204	425	Low Area	04	Vectomax FG	20.0000000	LB	1.0000	38.4648	-122.8584
4/11/2013	Trisciuzzi	04763201	425	Low Area	04	Altosid Pellets	0.3000000	LB	0.1500	38.2969	-122.6663
4/12/2013	Petersen	02053304	425	Low Area	04	VectoBac WDG	2.6250000	LB	3.0000	38.0652	-122.4941
4/12/2013	Beck	01346509	425	Low Area	04	Altosid Pellets	0.0340000	LB	0.0034	37.8627	-122.4224
4/12/2013	Petersen	02053302	425	Low Area	04	VectoBac WDG	0.8750000	LB	1.0000	38.0665	-122.5216
4/12/2013	Petersen	02053302	425	Low Area	04	BVA2	15.0000000	GAL	3.0000	38.0665	-122.5216
4/12/2013	Petersen	02053302	425	Low Area	04	Agnique MMF	3.0000000	GAL	3.0000	38.0665	-122.5216
4/15/2013	Trisciuzzi	05_01455	425	Low Area	04	Vectomax FG	2.0000000	LB	0.1000	38.2238	-122.5828

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
4/15/2013	Russo	05025416	425	Low Area	04	Vectomax FG	0.2290000	LB	0.0229	38.5575	-122.8258
4/11/2013	Helicopter	02032310	425	Low Area	04	Duplex SR20	12.3700000	GAL	48.0000	38.1073	-122.5666
4/11/2013	Helicopter	02032302	425	Low Area	04	Duplex SR20	9.2800000	GAL	36.0000	38.1089	-122.5339
4/11/2013	Helicopter	02032309	425	Low Area	04	Duplex SR20	56.7100000	GAL	220.0000	38.1077	-122.5654
4/15/2013	Mohrman	04512407	425	Low Area	04	Vectomax FG	4.0000000	LB	0.2000	38.3630	-122.7878
4/16/2013	Miller	04514505	425	Low Area	04	Vectomax FG	10.0000000	LB	0.5000	38.3649	-122.7708
4/18/2013	Miller	04395405	425	Low Area	04	Vectomax FG	5.0000000	LB	0.2500	38.4055	-122.8180
4/18/2013	Filippi	E402B606	425	Low Area	04	Vectomax FG	5.0000000	LB	0.2500	38.3831	-122.9188

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
4/18/2013	Edwards	02162512	425	Low Area	04	Vectobac GS	15.0000000	LB	1.5000	37.9797	-122.4774
4/22/2013	Tescallo	02032302	425	Low Area	04	Duplex	36.0000000	OZ	1.0000	38.1089	-122.5339
4/22/2013	Tescallo	02032310	425	Low Area	04	Duplex	36.0000000	OZ	1.0000	38.1073	-122.5666
4/24/2013	Trisciuzzi	04842504	425	Low Area	04	Vectomax FG	10.0000000	LB	0.5000	38.2331	-122.6186
4/24/2013	Beck	01345517	425	Low Area	04	Altosid Briquets XR	1.0000000	EA	0.0002	37.8934	-122.4492
4/25/2013	Cole	02053303	425	Low Area	04	Vectobac 12AS	160.0000000	OZ	10.0000	38.0601	-122.4961
4/29/2013	Miller	04272509	425	Low Area	04	Vectomax FG	20.0000000	LB	1.0000	38.4429	-122.8427
4/29/2013	Morton	03982302	425	Low Area	04	Vectolex FG	20.0000000	LB	1.5000	38.1645	-122.4538

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
4/30/2013	Peterson	E361C402	425	Low Area	04	Agnique MMF	1.4500000	OZ	0.0114	38.4975	-122.9914
4/30/2013	Petersen	01071506	425	Low Area	04	Altosid Pellets	0.0006000	LB	0.0002	38.0087	-122.7004
5/1/2013	Tescalco	02035211	425	Low Area	04	Altosid Pellets	0.0300000	LB	0.0068	38.107	-122.5088
5/3/2013	Beck	01346509	425	Low Area	04	Altosid Pellets	0.0340000	LB	0.0034	37.8627	-122.4224
5/6/2013	Tescalco	02032309	425	Low Area	04	Duplex	468.0000000	OZ	13.0000	38.1077	-122.5654
5/6/2013	Beardsley	05304402	425	Low Area	04	Vectomax FG	0.1100000	LB	0.0110	38.4570	-122.6491
5/6/2013	Petersen	02032309	425	Low Area	04	Vectobac 12AS	480.0000000	OZ	15.0000	38.1077	-122.5654
5/7/2013	Tescalco	02032310	425	Low Area	04	Duplex	144.0000000	OZ	4.0000	38.1073	-122.5666

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/7/2013	Reed	0EM02015	425	Low Area	04	Agnique MMF	0.0100000	GAL	0.0100	38.7792	-123.0091
5/8/2013	Walker	02033603	425	Low Area	04	Vectolex FG	102.0000000	LB	8.5000	38.0835	-122.5032
5/15/2013	Cole	02051618	425	Low Area	04	Vectolex WSP	1.0000000	EA	0.0011	38.0304	-122.5521
5/15/2013	Cole	02053302	425	Low Area	04	BVA2	1.0000000	GAL	0.3300	38.0665	-122.5216
5/15/2013	Beck	01326427	425	Low Area	04	Altosid Briquets XR	2.0000000	EA	0.0004	37.9021	-122.4929
5/15/2013	Beck	01326427	425	Low Area	04	Agnique MMF	1.3000000	OZ	0.0130	37.9021	-122.4929
5/15/2013	Beck	01326427	425	Low Area	04	Altosid Pellets	0.0680000	LB	0.0130	37.9021	-122.4929
5/16/2013	Merian	02143402	425	Low Area	04	Altosid Pellets	0.0100000	LB	0.0019	37.9964	-122.5246

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/17/2013	Tescallo	02953202	425	Low Area	04	Vectomax FG	1.0000000	LB	0.1000	.	.
5/17/2013	Beck	01M01462	425	Low Area	04	Vectomax FG	0.0180000	LB	0.0009	37.9151	-122.5032
5/22/2013	Ambroselli	04415119	425	Low Area	04	Altosid Pellets	0.0044000	LB	0.0022	38.4310	-122.6995
5/22/2013	Ambroselli	04415119	425	Low Area	04	Agnique MMF	0.0022000	GAL	0.0022	38.4310	-122.6995
5/22/2013	Petersen	01071506	425	Low Area	04	Altosid Pellets	0.0020000	LB	0.0002	38.0087	-122.7004
5/23/2013	Trisciuzzi	05M01502	425	Low Area	04	Agnique MMF	0.2000000	OZ	0.0020	38.2162	-122.6319
5/30/2013	Beck	01346509	425	Low Area	04	Altosid Pellets	0.0340000	LB	0.0034	37.8627	-122.4224
6/3/2013	Merian	02135209	425	Low Area	04	Agnique MMF	0.2930000	OZ	0.0022	38.0123	-122.5122

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
6/7/2013	Ohlinger	04801505	425	Low Area	04	Vectomax FG	2.0000000	LB	0.1000	38.4655	-122.825
6/10/2013	Trisciuzzi	04973303	425	Low Area	04	Vectomax FG	3.0000000	LB	0.2500	38.15	-122.4991
6/12/2013	Reed	E241C403	425	Low Area	04	Agnique MMF	1.0000000	GAL	1.0000	38.7972	-123.0056
6/13/2013	Merian	02224107	425	Low Area	04	Altosid Briquets XR	1.0000000	EA	0.0000	37.9798	-122.5189
6/14/2013	Merian	02224112	425	Low Area	04	Altosid Briquets XR	2.0000000	EA	0.0004	37.9703	-122.5101
6/14/2013	Merian	02224112	425	Low Area	04	Agnique MMF	0.0260000	OZ	0.0002	37.9703	-122.5101
6/20/2013	Nadale	02032310	425	Low Area	04	Vectolex WDG	0.3000000	LB	0.3000	38.1073	-122.5666
6/20/2013	Nadale	02032309	425	Low Area	04	Vectolex WDG	1.2000000	LB	1.2000	38.1077	-122.5654

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
6/24/2013	Reed	0EM02015	425	Low Area	04	Agnique MMF	0.0100000	GAL	0.0100	38.7792	-123.0091
7/1/2013	Beardsley	04661407	425	Low Area	04	Altosid Pellets	0.0020000	LB	0.0004	38.3214	-122.6205
7/3/2013	Trisciuzzi	05_01455	425	Low Area	04	Agnique MMF	0.1000000	OZ	0.0010	38.2238	-122.5828
7/3/2013	Beck	01346509	425	Low Area	04	Altosid Pellets	0.0340000	LB	0.0034	37.8627	-122.4224
7/5/2013	Wells	E241C403	425	Low Area	04	Agnique MMF	128.0000000	OZ	1.5000	38.7972	-123.0056
7/9/2013	Reed	A605C403	425	Low Area	04	Vectobac GS	1.0000000	LB	0.1000	37.8983	-122.6412
7/15/2013	Merian	02051618	425	Low Area	04	Vectolex WSP	1.0000000	EA	0.0002	38.0304	-122.5521
7/15/2013	Merian	02051618	425	Low Area	04	Agnique MMF	0.0300000	OZ	0.0002	38.0304	-122.5521



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
7/15/2013	Miller	04395407	425	Low Area	04	Vectomax FG	5.0000000	LB	0.2500	38.4084	-122.8195
7/15/2013	Miller	04395405	425	Low Area	04	Vectomax FG	5.0000000	LB	0.2500	38.4055	-122.8180
7/18/2013	Wells	0EM01975	425	Low Area	04	Vectobac 12AS	25.6000000	OZ	0.8000	38.7218	-122.9104
7/18/2013	Reed	0EM01975	425	Low Area	04	Vectobac 12AS	16.0000000	OZ	0.5000	38.7218	-122.9104
7/19/2013	Wells	0EM01973	425	Low Area	04	Vectobac 12AS	6.4000000	OZ	0.2000	38.7298	-122.9175
7/19/2013	Wells	0EM01974	425	Low Area	04	Vectobac 12AS	3.2000000	OZ	0.1000	38.7002	-122.8812
7/19/2013	Reed	0EM01973	425	Low Area	04	Vectobac 12AS	6.4000000	OZ	0.2000	38.7298	-122.9175
7/19/2013	Reed	0EM01974	425	Low Area	04	Vectobac 12AS	6.4000000	OZ	0.2000	38.7002	-122.8812

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
7/23/2013	Leslie	09M01493	425	Low Area	04	Vectomax FG	0.0120000	LB	0.0012	38.3827	-122.6923
7/29/2013	Wells	E323A110	425	Low Area	04	Vectobac 12AS	12.8000000	OZ	0.4000	38.6328	-122.8312
7/29/2013	Reed	E323A110	425	Low Area	04	Vectobac 12AS	12.8000000	OZ	0.4000	38.6328	-122.8312
7/30/2013	Beardsley	04643207	425	Low Area	04	Agnique MMF	4.0000000	OZ	0.0625	38.335	-122.7152
7/30/2013	Beardsley	04643207	425	Low Area	04	Altosid Briquets XR	4.0000000	EA	0.0008	38.335	-122.7152
7/30/2013	Ohlinger	04801506	425	Low Area	04	Vectolex WDG	3.2000000	OZ	0.2000	38.4655	-122.825
8/1/2013	Reed	0EM02015	425	Low Area	04	BVA2	6.4000000	OZ	0.0100	38.7792	-123.0091
8/12/2013	Trisciuzzi	05_01455	425	Low Area	04	Altosid Pellets	0.2500000	LB	0.1250	38.2238	-122.5828

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
8/13/2013	Merian	02224107	425	Low Area	04	Altosid Briquets XR	1.0000000	EA	0.0002	37.9798	-122.5189
8/13/2013	Mohrman	04386404	425	Low Area	04	Agnique MMF	0.2944000	OZ	0.0023	38.4116	-122.8604
8/13/2013	Mohrman	04386404	425	Low Area	04	Altosid Briquets XR	3.0000000	EA	0.0023	38.4116	-122.8604
8/14/2013	Wells	E241C403	425	Low Area	04	Agnique MMF	128.0000000	OZ	1.0000	38.7972	-123.0056
8/15/2013	Ohlinger	04801505	425	Low Area	04	Vectolex WDG	1.5000000	LB	1.5000	38.4655	-122.825
8/19/2013	Beardsley	07z00017	425	Low Area	04	Agnique MMF	0.0064000	OZ	0.0001	.	.
8/20/2013	Reed	A604G102	425	Low Area	04	Vectomax FG	0.0450000	LB	0.0045	37.9142	-122.6880
8/21/2013	Miller	04406201	425	Low Area	04	Vectomax FG	20.0000000	LB	2.0000	38.4398	-122.7548

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8/22/2013	Miller	04406202	425	Low Area	04	Vectomax FG	20.0000000	LB	2.0000	38.4427	-122.7536
8/22/2013	Nadale	04M01254	425	Low Area	04	Altosid Pellets	0.3000000	LB	0.1000	38.1165	-122.6098
8/23/2013	Wells	0EM02057	425	Low Area	04	Agnique MMF	115.0000000	OZ	1.0000	38.6090	-122.8467
8/29/2013	Wells	E241C406	425	Low Area	04	Vectobac 12AS	3.2000000	OZ	0.1000	38.8042	-123.0106
8/29/2013	Cole	02051618	425	Low Area	04	Vectolex WSP	1.0000000	EA	0.0023	38.0304	-122.5521
8/29/2013	Wells	0EM01975	425	Low Area	04	Vectobac 12AS	12.8000000	OZ	0.4000	38.7218	-122.9104
8/29/2013	Reed	E241C406	425	Low Area	04	Vectobac 12AS	3.2000000	OZ	0.1000	38.8042	-123.0106
8/29/2013	Reed	0EM01975	425	Low Area	04	Vectobac 12AS	12.8000000	OZ	0.4000	38.7218	-122.9104

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
8/30/2013	Edwards	02123337	425	Low Area	04	Agnique MMF	0.0045000	GAL	0.0045	38.0026	-122.5298
8/30/2013	Wells	E261F310	425	Low Area	04	Vectobac 12AS	1.6000000	OZ	0.0500	38.7663	-122.9715
8/30/2013	Wells	0EM01974	425	Low Area	04	Vectobac 12AS	19.2000000	OZ	0.6000	38.7002	-122.8812
8/30/2013	Wells	E282F301	425	Low Area	04	Vectobac 12AS	3.2000000	OZ	0.1000	38.7119	-122.8961
8/30/2013	Beck	01335204	425	Low Area	04	Altosid Pellets	0.0500000	LB	0.0100	37.8689	-122.5058
8/30/2013	Wells	0EM01973	425	Low Area	04	Vectobac 12AS	3.2000000	OZ	0.1000	38.7298	-122.9175
8/30/2013	Reed	E261F310	425	Low Area	04	Vectobac 12AS	1.6000000	OZ	0.0500	38.7663	-122.9715
8/30/2013	Reed	0EM01974	425	Low Area	04	Vectobac 12AS	19.2000000	OZ	0.6000	38.7002	-122.8812

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
8/30/2013	Reed	E282F301	425	Low Area	04	Vectobac 12AS	3.2000000	OZ	0.1000	38.7119	-122.8961
8/30/2013	Reed	0EM01973	425	Low Area	04	Vectobac 12AS	3.2000000	OZ	0.1000	38.7298	-122.9175
9/3/2013	Ambroselli	04646402	425	Low Area	04	Altosid Briquets XR	2.0000000	EA	0.0022	38.3238	-122.6943
9/3/2013	Ambroselli	04646402	425	Low Area	04	Agnique MMF	0.0022000	GAL	0.0022	38.3238	-122.6943
9/3/2013	Ambroselli	04646118	425	Low Area	04	Vectolex WSP	4.0000000	EA	0.0057	38.20-2	122-.1-30
9/4/2013	Beardsley	07z00019	425	Low Area	04	Agnique MMF	0.0320000	OZ	0.0005	.	.
9/4/2013	Reed	E241C403	425	Low Area	04	Agnique MMF	0.1000000	GAL	0.1000	38.7972	-123.0056
9/4/2013	Ohlinger	04801505	425	Low Area	04	Vectomax FG	1.0000000	LB	0.0500	38.4655	-122.825

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
9/11/2013	Trisciuzzi	05_01455	425	Low Area	04	Agnique MMF	0.5000000	OZ	0.0100	38.2238	-122.5828
9/11/2013	Miller	04395406	425	Low Area	04	Vectolex WSP	6.0000000	EA	0.0010	38.4074	-122.8195
9/11/2013	Beck	01345517	425	Low Area	04	Altosid Pellets	0.0050000	LB	0.0011	37.8934	-122.4492
9/11/2013	Beck	01345517	425	Low Area	04	Altosid Briquets XR	1.0000000	EA	0.0002	37.8934	-122.4492
9/12/2013	Merian	02143402	425	Low Area	04	Agnique MMF	0.0040000	OZ	0.0000	37.9964	-122.5246
9/12/2013	Nadale	04M01270	425	Low Area	04	Altosid Pellets	0.0150000	LB	0.0022	38.0946	-122.5661
9/13/2013	Wells	E323A110	425	Low Area	04	Vectobac 12AS	9.6000000	OZ	0.3000	38.6328	-122.8312
9/13/2013	Wells	0EM01973	425	Low Area	04	Vectobac 12AS	9.6000000	OZ	0.3000	38.7298	-122.9175

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
9/13/2013	Reed	E323A110	425	Low Area	04	Vectobac 12AS	9.6000000	OZ	0.3000	38.6328	-122.8312
9/13/2013	Reed	0EM01973	425	Low Area	04	Vectobac 12AS	9.6000000	OZ	0.3000	38.7298	-122.9175
9/19/2013	Ambroselli	05424104	425	Low Area	04	Altosid Pellets	0.0200000	LB	0.0022	38.4173	-122.6592
9/19/2013	Ambroselli	05424104	425	Low Area	04	Agnique MMF	0.0022000	GAL	0.0022	38.4173	-122.6592
9/20/2013	Russo	05024604	425	Low Area	04	Agnique MMF	0.0570000	OZ	0.0009	38.5263	-122.8316
9/24/2013	Reed	E241C403	425	Low Area	04	Vectobac GS	0.1720000	LB	0.0172	38.7972	-123.0056
9/30/2013	Edwards	02123337	425	Low Area	04	Sand Granules	0.0020000	LB	0.0001	38.0026	-122.5298
10/3/2013	Ambroselli	11M01303	425	Low Area	04	BVA2	2.6500000	GAL	0.5000	38.5191	-122.7931



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
10/7/2013	Cole	02051618	425	Low Area	04	Vectorex WSP	1.0000000	EA	0.0023	38.0304	-122.5521
10/8/2013	Edwards	01226312	425	Low Area	04	BVA2	0.4000000	OZ	0.0006	37.9512	-122.4903
10/8/2013	Edwards	01226312	425	Low Area	04	Altosid Pellets	0.0060000	LB	0.0006	37.9512	-122.4903
10/9/2013	Beck	01335204	425	Low Area	04	Altosid Pellets	0.0500000	LB	0.0100	37.8689	-122.5058
10/10/2013	Ambroselli	11M01303	425	Low Area	04	BVA2	2.5500000	GAL	0.5000	38.5191	-122.7931
10/23/2013	Wiles	03561625	425	Low Area	04	Vectorex FG	0.0600000	LB	0.0068	38.3467	-122.5250
10/24/2013	Trisciuzzi	04842102	425	Low Area	04	Altosid Pellets	0.0200000	LB	0.0100	38.2643	-122.6202
10/29/2013	Trisciuzzi	05_01455	425	Low Area	04	Altosid Pellets	0.0100000	LB	0.0050	38.2238	-122.5828

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
11/1/2013	Beck	01331105	425	Low Area	04	Agnique MMF	0.4100000	OZ	0.0041	37.8647	-122.562
11/1/2013	Beck	01331105	425	Low Area	04	Vectomax FG	0.0300000	LB	0.0041	37.8647	-122.562
11/5/2013	Miller	05285525	425	Low Area	04	Vectomax FG	10.0000000	LB	0.5000	38.4389	-122.7478
4/25/2013	Cole	02053301	425	Low Area	05	Pyrocide 5% - GAL	6.0000000	OZ	7.2100	38.0631	-122.5271
4/25/2013	Petersen	02053301	425	Low Area	05	Pyrocide 5% - GAL	4.0000000	OZ	5.0000	38.0631	-122.5271
5/2/2013	Cole	02053301	425	Low Area	05	Pyrocide 5% - GAL	10.0000000	OZ	12.1000	38.0631	-122.5271
5/3/2013	Nadale	02032112	425	Low Area	05	Pyrocide 5% - GAL	12.0000000	OZ	14.6300	38.1245	-122.544
5/13/2013	Cole	02053301	425	Low Area	05	Pyrocide 5% - GAL	4.0000000	OZ	4.8400	38.0631	-122.5271

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5/15/2013	Cole	02053101	425	Low Area	05	Pyrocide 5% - GAL	12.0000000	OZ	14.5800	38.0691	-122.5276
6/14/2013	Beck	02053101	425	Low Area	05	Pyrocide 5% - GAL	8.0000000	OZ	9.6000	38.0691	-122.5276
6/14/2013	Cole	02053101	425	Low Area	05	Pyrocide 5% - GAL	6.0000000	OZ	7.2600	38.0691	-122.5276
6/27/2013	Cole	02053101	425	Low Area	05	Pyrocide 5% - GAL	2.0000000	OZ	2.4200	38.0691	-122.5276
6/27/2013	Cole	02053101	425	Low Area	05	Pyrocide 5% - GAL	3.0000000	OZ	3.6300	38.0691	-122.5276
7/3/2013	Cole	02053101	425	Low Area	05	Pyrocide 5% - GAL	8.0000000	OZ	9.6800	38.0691	-122.5276
7/19/2013	Cole	02053101	425	Low Area	05	Pyrocide 5% - GAL	8.0000000	OZ	9.6800	38.0691	-122.5276
7/31/2013	Beardsley	04643207	425	Low Area	05	Pyrocide 5% - GAL	0.2100000	OZ	0.2500	38.335	-122.7152

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8/21/2013	Cole	02053101	425	Low Area	05	Pyrocide 5% - GAL	12.0000000	OZ	14.5200	38.0691	-122.5276
8/29/2013	Mohrman	04266204	425	Low Area	05	Pyrocide 5% - GAL	23.0000000	OZ	28.0000	38.4648	-122.8584
1/18/2013	Cole	02053326	610	Wetlands (Natural/Seasonal)	04	Vectobac 12AS	96.0000000	OZ	3.0000	38.0627	-122.5150
2/1/2013	Mohrman	04392505	610	Wetlands (Natural/Seasonal)	04	Vectobac GS	160.0000000	LB	16.0000	38.4051	-122.8549
2/6/2013	Wiles	03944103	610	Wetlands (Natural/Seasonal)	04	Duplex	1.4062500	GAL	5.0000	38.2103	-122.4264
3/7/2013	Miller	04405303	610	Wetlands (Natural/Seasonal)	04	Vectobac 12AS	0.5000000	GAL	2.0000	38.4110	-122.7544
3/15/2013	Miller	04405303	610	Wetlands (Natural/Seasonal)	04	Vectolex FG	40.0000000	LB	2.0000	38.4110	-122.7544
4/3/2013	Helicopter	04273402	610	Wetlands (Natural/Seasonal)	04	Vectolex FG	***.*****	LB	140.0000	38.4377	-122.8263

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4/3/2013	Helicopter	04273402	610	Wetlands (Natural/Seasonal)	04	Vectobac GS	400.0000000	LB	20.0000	38.4377	-122.8263
4/30/2013	Helicopter	04273402	610	Wetlands (Natural/Seasonal)	04	Vectolex FG	***.*****	LB	106.0000	38.4377	-122.8263
9/16/2013	Miller	04273402	610	Wetlands (Natural/Seasonal)	04	Altosid XR Granules	12.0000000	LB	2.0000	38.4377	-122.8263
9/16/2013	Miller	04273402	610	Wetlands (Natural/Seasonal)	04	Vectomax FG	100.0000000	LB	5.0000	38.4377	-122.8263
9/24/2013	Miller	04273402	610	Wetlands (Natural/Seasonal)	04	Vectomax FG	80.0000000	LB	4.0000	38.4377	-122.8263
11/4/2013	Miller	04273402	610	Wetlands (Natural/Seasonal)	04	Vectomax FG	80.0000000	LB	4.0000	38.4377	-122.8263
1/15/2013	Filippi	E420G701	611	Wetlands (Seasonal/Man-Made)	04	Agnique MMF	32.0000000	OZ	0.5000	38.3209	-123.0354
1/30/2013	Leslie	05414501	611	Wetlands (Seasonal/Man-Made)	04	Vectobac GS	5.0000000	LB	0.5000	38.3857	-122.7222

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1/30/2013	Leslie	05414502	611	Wetlands (Seasonal/Man-Made)	04	Vectobac GS	2.0000000	LB	0.2000	38.4106	-122.7137
1/30/2013	Leslie	05414503	611	Wetlands (Seasonal/Man-Made)	04	Vectobac GS	5.0000000	LB	0.5000	38.4101	-122.7139
2/8/2013	Beardsley	04643208	611	Wetlands (Seasonal/Man-Made)	04	Vectomax FG	0.2300000	LB	0.0230	38.3407	-122.7217
2/22/2013	Filippi	E420G701	611	Wetlands (Seasonal/Man-Made)	04	Agnique MMF	0.1250000	GAL	0.2500	38.3209	-123.0354
2/25/2013	Trisciuzzi	04995110	611	Wetlands (Seasonal/Man-Made)	04	Duplex	0.1875000	GAL	0.7500	38.2327	-122.6155
3/13/2013	Miller	04513212	611	Wetlands (Seasonal/Man-Made)	04	Vectomax FG	20.0000000	LB	1.5000	38.3807	-122.7747
3/20/2013	Miller	04272405	611	Wetlands (Seasonal/Man-Made)	04	Vectolex FG	60.0000000	LB	3.0000	38.4506	-122.8357
3/21/2013	Filippi	E420G703	611	Wetlands (Seasonal/Man-Made)	04	Vectomax FG	40.0000000	LB	2.0000	38.3191	-123.0374

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
4/12/2013	Trisciuzzi	04763309	611	Wetlands (Seasonal/Man-Made)	04	Vectomax FG	45.0000000	LB	2.2500	38.2841	-122.6627
9/19/2013	Miller	04272402	611	Wetlands (Seasonal/Man-Made)	04	Altosid Pellets	9.0000000	LB	3.0000	38.4463	-122.8380
10/16/2013	Miller	04272402	611	Wetlands (Seasonal/Man-Made)	04	Vectomax FG	30.0000000	LB	2.0000	38.4463	-122.8380
10/16/2013	Miller	04272405	611	Wetlands (Seasonal/Man-Made)	04	Vectomax FG	15.0000000	LB	1.0000	38.4506	-122.8357
1/29/2013	Filippi	E420F601	612	Mitigated Wetlands (Seasonal/Man-Made)	04	Vectomax FG	2.5000000	LB	0.1250	38.3318	-123.0445
3/13/2013	Leslie	05526102	612	Mitigated Wetlands (Seasonal/Man-Made)	04	Vectomax FG	40.0000000	LB	4.0000	38.3877	-122.6953
3/22/2013	Beardsley	04653101	612	Mitigated Wetlands (Seasonal/Man-Made)	04	Vectomax FG	60.0000000	LB	6.0000	38.3462	-122.6684
3/22/2013	Beardsley	04653102	612	Mitigated Wetlands (Seasonal/Man-Made)	04	Vectomax FG	30.0000000	LB	3.0000	38.3540	-122.6687

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
1/16/2013	Edwards	02136303	702	Creek	04	Agnique MMF	1.5000000	OZ	0.0114	38.0052	-122.4945
1/17/2013	Edwards	02142523	702	Creek	04	Agnique MMF	0.3000000	OZ	0.0022	37.9901	-122.5409
1/25/2013	Miller	04281505	702	Creek	04	Agnique MMF	6.0000000	OZ	6.0000	38.4437	-122.7974
1/25/2013	Miller	04281505	702	Creek	04	BVA2	10.0000000	OZ	2.0000	38.4437	-122.7974
1/30/2013	Miller	04395503	702	Creek	04	Agnique MMF	0.5000000	GAL	0.5000	38.4032	-122.8172
1/31/2013	Miller	04282202	702	Creek	04	Vectobac 12AS	0.2500000	GAL	1.0000	38.4617	-122.7910
2/13/2013	Trisciuzzi	04754404	702	Creek	04	Agnique MMF	0.0312500	GAL	0.0625	38.2835	-122.7147
2/22/2013	Edwards	02154620	702	Creek	04	Sand Granules	0.2000000	LB	0.0200	37.9791	-122.5144



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3/4/2013	Mohrman	04511302	702	Creek	04	Altosid Pellets	1.5000000	LB	0.1500	38.3735	-122.7987
3/5/2013	Trisciuzzi	04764307	702	Creek	04	Agnique MMF	0.0078125	GAL	0.0150	38.2831	-122.6506
3/5/2013	Edwards	3AM00885	702	Creek	04	Sand Granules	0.2500000	LB	0.0137	38.0026	-122.5288
3/7/2013	Edwards	02142401	702	Creek	04	Vectobac 12AS	0.1250000	GAL	0.5000	37.9959	-122.5389
3/12/2013	Wiles	03443416	702	Creek	04	Agnique MMF	0.0015625	GAL	0.0017	38.4333	1223.000
3/13/2013	Wiles	03684617	702	Creek	04	Altosid Pellets	0.0900000	LB	0.0092	38.3085	-122.4827
3/13/2013	Wiles	03684602	702	Creek	04	Agnique MMF	0.0045312	GAL	0.0046	38.3105	-122.481
3/13/2013	Mohrman	04502203	702	Creek	04	Altosid Pellets	0.6000000	LB	0.1000	.	.

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
3/18/2013	Leslie	05415405	702	Creek	04	Vectomax FG	0.9200000	LB	0.0918	38.4128	-122.7042
3/22/2013	Edwards	02134307	702	Creek	04	Sand Granules	0.0460000	LB	0.0045	38.0074	-122.5177
3/22/2013	Edwards	02134307	702	Creek	04	Agnique MMF	0.8000000	OZ	0.0070	38.0074	-122.5177
4/1/2013	Wiles	03684205	702	Creek	04	Altosid Pellets	0.0200000	LB	0.0023	38.3363	-122.4865
4/2/2013	Mohrman	04505301	702	Creek	04	Agnique MMF	0.5888000	OZ	0.0046	38.3738	-122.8163
4/2/2013	Mohrman	04505301	702	Creek	04	Altosid Briquets XR	2.0000000	EA	0.0046	38.3738	-122.8163
4/2/2013	Mohrman	04505307	702	Creek	04	Agnique MMF	4.4800000	OZ	0.0350	38.3747	-122.8161
4/3/2013	Beardsley	05303631	702	Creek	04	Agnique MMF	1.7600000	OZ	0.0275	38.27-3	122-8-59

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4/9/2013	Leslie	05303218	702	Creek	04	Vectobac GS	0.0910000	LB	0.0091	38.4674	-122.6685
4/10/2013	Ambroselli	02012401	702	Creek	04	Agnique MMF	32.0000000	OZ	0.5000	38.1077	-122.5646
4/12/2013	Wiles	03683613	702	Creek	04	Altosid Pellets	0.0450000	LB	0.0046	38.3098	-122.4976
4/15/2013	Edwards	3AM00897	702	Creek	04	Altosid Pellets	0.7500000	LB	0.1000	38.0037	-122.4868
4/15/2013	Edwards	3AM00897	702	Creek	04	Agnique MMF	12.0000000	OZ	0.1000	38.0037	-122.4868
4/15/2013	Leslie	05293310	702	Creek	04	Altosid Pellets	0.2754000	LB	0.0918	38.4611	-122.7184
4/15/2013	Wells	E303J502	702	Creek	04	Altosid Pellets	0.0300000	LB	0.0100	38.6456	-122.7817
4/17/2013	Wiles	03682409	702	Creek	04	Altosid Briquets XR	2.0000000	EA	0.0028	38.3245	-122.5026

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4/17/2013	Tescalco	02015421	702	Creek	04	Vectomax FG	30.0000000	LB	1.5000	38.0970	-122.5685
4/18/2013	Morton	03804301	702	Creek	04	Altosid Pellets	0.3000000	LB	0.1000	38.2861	-122.4316
4/18/2013	Morton	03805304	702	Creek	04	Altosid Pellets	0.0068800	LB	0.0022	38.2914	-122.4220
4/18/2013	Trisciuzzi	04906201	702	Creek	04	Agnique MMF	1.0000000	OZ	0.0150	38.2122	-122.6262
4/19/2013	Edwards	02142523	702	Creek	04	Sand Granules	0.0200000	LB	0.0023	37.9901	-122.5409
4/22/2013	Leslie	05044202	702	Creek	04	Altosid Pellets	1.8183000	LB	0.6061	38.5529	-122.7134
4/23/2013	Leslie	05302120	702	Creek	04	Altosid Pellets	0.0549000	LB	0.0183	38.4680	-122.6681
4/24/2013	Edwards	02142401	702	Creek	04	Sand Granules	0.5000000	LB	0.0459	37.9959	-122.5389

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4/25/2013	Trisciuzzi	04751501	702	Creek	04	Vectomax FG	2.0000000	LB	0.1000	38.2744	-122.7336
4/25/2013	Filippi	E485B504	702	Creek	04	Vectomax FG	0.6800000	LB	0.0340	38.1921	-122.6641
4/25/2013	Merian	01253310	702	Creek	04	Altosid Pellets	0.0008000	LB	0.0001	37.9121	-122.5588
4/26/2013	Trisciuzzi	04762107	702	Creek	04	Altosid Pellets	0.5000000	LB	0.1250	38.3010	-122.6753
4/29/2013	Beck	01286610	702	Creek	04	Altosid Pellets	0.0130000	LB	0.0013	37.8870	-122.4623
4/29/2013	Miller	04272502	702	Creek	04	Vectomax FG	10.0000000	LB	0.5000	38.4433	-122.8446
4/30/2013	Edwards	02162401	702	Creek	04	Vectobac 12AS	10.0000000	OZ	0.3200	37.9862	-122.4789
4/30/2013	Edwards	02162426	702	Creek	04	Vectobac 12AS	20.0000000	OZ	0.6500	37.9900	-122.4800

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4/30/2013	Edwards	02161401	702	Creek	04	Altosid Briquets XR	1.0000000	EA	0.0000	37.9855	-122.4830
5/1/2013	Petersen	01094202	702	Creek	04	Agnique MMF	0.5800000	OZ	0.0045	38.0125	-122.5876
5/1/2013	Edwards	02134307	702	Creek	04	Altosid Pellets	0.1140000	LB	0.0114	38.0074	-122.5177
5/1/2013	Edwards	02134307	702	Creek	04	Agnique MMF	1.2500000	OZ	0.0114	38.0074	-122.5177
5/1/2013	Edwards	3AM00885	702	Creek	04	Altosid Pellets	0.2000000	LB	0.0229	38.0026	-122.5288
5/1/2013	Edwards	3AM00885	702	Creek	04	BVA2	15.0000000	OZ	0.0229	38.0026	-122.5288
5/1/2013	Leslie	05182601	702	Creek	04	Altosid Pellets	1.5000000	LB	0.5000	38.4821	-122.6728
5/2/2013	Leslie	09M01462	702	Creek	04	Altosid Pellets	0.0135000	LB	0.0045	38.5042	-122.7219

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5/2/2013	Merian	02014426	702	Creek	04	Agnique MMF	0.0230000	OZ	0.0001	38.0924	-122.5792
5/2/2013	Trisciuzzi	04754404	702	Creek	04	Agnique MMF	2.0000000	OZ	0.0200	38.2835	-122.7147
5/2/2013	Leslie	05302124	702	Creek	04	Altosid Pellets	0.0621000	LB	0.0207	.	.
5/2/2013	Petersen	01083201	702	Creek	04	Altosid Pellets	2.0000000	LB	0.2500	38.0125	-122.5965
5/2/2013	Petersen	01083201	702	Creek	04	Agnique MMF	0.7460000	OZ	0.0114	38.0125	-122.5965
5/3/2013	Merian	02012301	702	Creek	04	Altosid Briquets XR	6.0000000	EA	0.0045	38.1012	-122.6005
5/3/2013	Trisciuzzi	04833601	702	Creek	04	Altosid Briquets XR	1.0000000	EA	0.0010	38.2247	-122.6672
5/2/2013	Ambroselli	12M01061	702	Creek	04	Altosid Pellets	0.5000000	LB	0.2500	38.4691	-122.6474

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5/3/2013	Leslie	05174104	702	Creek	04	Altosid Pellets	0.6000000	LB	0.2000	38.5111	-122.717
5/6/2013	Merian	02013428	702	Creek	04	Altosid Briquets XR	2.0000000	EA	0.0004	38.0937	-122.5985
5/6/2013	Merian	02013428	702	Creek	04	Altosid Pellets	0.0050000	LB	0.0018	38.0937	-122.5985
5/6/2013	Merian	02013428	702	Creek	04	Agnique MMF	0.0550000	OZ	0.0004	38.0937	-122.5985
5/6/2013	Leslie	05046105	702	Creek	04	Vectomax FG	3.0300000	LB	0.3030	38.5593	-122.6998
5/6/2013	Ambroselli	12M01062	702	Creek	04	Altosid Pellets	0.0229000	LB	0.0114	38.4702	-122.6411
5/8/2013	Morton	03804102	702	Creek	04	Altosid Pellets	2.0000000	LB	0.2000	38.3240	-122.4880
5/8/2013	Trisciuzzi	05M01504	702	Creek	04	Altosid Pellets	0.5000000	LB	0.0500	38.2959	-122.6451



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5/8/2013	Petersen	02M01190	702	Creek	04	Altosid Pellets	0.0015000	LB	0.0005	37.9850	-122.5823
5/8/2013	Beck	01293206	702	Creek	04	Vectomax FG	0.3700000	LB	0.0370	37.9201	-122.5274
5/9/2013	Leslie	05303218	702	Creek	04	Vectomax FG	2.0000000	LB	0.2000	38.4674	-122.6685
5/9/2013	Petersen	02142629	702	Creek	04	Altosid Pellets	0.0360000	LB	0.0137	37.58-3	122-.2-28
5/9/2013	Wells	0EM01960	702	Creek	04	Altosid Pellets	0.0120000	LB	0.0040	38.6333	-122.8694
5/9/2013	Filippi	E420E502	702	Creek	04	Vectomax FG	5.0000000	LB	0.2500	38.3356	-123.0494
5/10/2013	Wiles	03682501	702	Creek	04	Altosid Pellets	0.2000000	LB	0.0207	38.3208	-122.5005
5/10/2013	Petersen	01116601	702	Creek	04	Altosid Pellets	0.0015000	LB	0.0005	37.9784	-122.5572

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5/13/2013	Merian	02014103	702	Creek	04	Agnique MMF	0.0450000	OZ	0.0013	38.1205	-122.5794
5/13/2013	Merian	02032101	702	Creek	04	Agnique MMF	0.0110000	OZ	0.0000	38.1151	-122.5360
5/14/2013	Ambroselli	05304218	702	Creek	04	Altosid Briquets XR	20.0000000	EA	0.0688	38.4675	-122.6518
5/14/2013	Ambroselli	05304218	702	Creek	04	Agnique MMF	0.1147000	GAL	0.1147	38.4675	-122.6518
5/14/2013	Beardsley	05303631	702	Creek	04	Altosid Pellets	0.0400000	LB	0.0080	38.27-3	122.-8-59
5/14/2013	Petersen	01115603	702	Creek	04	Altosid Briquets XR	3.0000000	EA	0.0068	37.9840	-122.5656
5/14/2013	Petersen	01115603	702	Creek	04	Altosid Pellets	0.0150000	LB	0.0057	37.9840	-122.5656
5/14/2013	Petersen	01115603	702	Creek	04	Agnique MMF	0.1377000	OZ	0.0011	37.9840	-122.5656

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/14/2013	Merian	02012401	702	Creek	04	Agnique MMF	20.0000000	OZ	0.4500	38.1077	-122.5646
5/14/2013	Merian	02013327	702	Creek	04	Agnique MMF	0.0450000	OZ	0.0008	38.0993	-122.5989
5/14/2013	Merian	02013330	702	Creek	04	Agnique MMF	0.0040000	OZ	0.0000	38.0998	-122.5984
5/14/2013	Merian	02013326	702	Creek	04	Agnique MMF	0.0160000	OZ	0.0001	38.1007	-122.5977
5/14/2013	Petersen	01115631	702	Creek	04	Altosid Pellets	0.0300000	LB	0.0114	37.9852	-122.5652
5/14/2013	Petersen	01115631	702	Creek	04	Agnique MMF	0.2750000	OZ	0.0022	37.9852	-122.5652
5/14/2013	Petersen	01116502	702	Creek	04	Altosid Briquets XR	1.0000000	EA	0.0011	37.9875	-122.5626
5/14/2013	Petersen	01116502	702	Creek	04	Agnique MMF	0.1377000	OZ	0.0011	37.9875	-122.5626

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5/14/2013	Petersen	01115627	702	Creek	04	Altosid Briquets XR	3.0000000	EA	0.0068	37.9868	-122.5643
5/14/2013	Petersen	01115627	702	Creek	04	Agnique MMF	0.8260000	OZ	0.0068	37.9868	-122.5643
5/14/2013	Beardsley	04644404	702	Creek	04	Altosid Pellets	0.0550000	LB	0.0110	38.3201	-122.7125
5/14/2013	Merian	02012403	702	Creek	04	Agnique MMF	0.0850000	OZ	0.0007	38.0956	-122.6014
5/14/2013	Petersen	01115636	702	Creek	04	Altosid Briquets XR	2.0000000	EA	0.0045	37.9867	-122.5646
5/14/2013	Petersen	01115636	702	Creek	04	Altosid Pellets	0.0090000	LB	0.0034	37.9867	-122.5646
5/14/2013	Petersen	01115636	702	Creek	04	Agnique MMF	0.9640000	OZ	0.0080	37.9867	-122.5646
5/14/2013	Merian	02012415	702	Creek	04	Agnique MMF	0.0250000	OZ	0.0008	38.0948	-122.6010

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5/15/2013	Petersen	02141505	702	Creek	04	Altosid Pellets	0.0120000	LB	0.0045	37.9869	-122.5534
5/15/2013	Merian	02011320	702	Creek	04	Agnique MMF	0.2500000	OZ	0.0022	38.1026	-122.6216
5/15/2013	Merian	02011311	702	Creek	04	Altosid Briquets XR	2.0000000	EA	0.0006	38.1020	-122.6167
5/15/2013	Merian	02011311	702	Creek	04	Altosid Pellets	0.0025000	LB	0.0005	38.1020	-122.6167
5/15/2013	Morton	03804601	702	Creek	04	Altosid Pellets	1.0000000	LB	0.3300	38.2675	-122.4266
5/15/2013	Merian	02011304	702	Creek	04	Altosid Briquets XR	2.0000000	EA	0.0013	38.1037	-122.6151
5/15/2013	Merian	02011303	702	Creek	04	Altosid Briquets XR	2.0000000	EA	0.0025	38.1036	-122.6132
5/15/2013	Merian	02012367	702	Creek	04	Altosid Briquets XR	1.0000000	EA	0.0009	38.1045	-122.6080

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5/15/2013	Merian	02012319	702	Creek	04	Agnique MMF	0.1900000	OZ	0.0014	38.0978	-122.5990
5/15/2013	Merian	02012319	702	Creek	04	Altosid Briquets XR	6.0000000	EA	0.0018	38.0978	-122.5990
5/15/2013	Petersen	01094206	702	Creek	04	Altosid Pellets	0.0012000	LB	0.0004	38.0143	-122.5815
5/16/2013	Mohrman	04266611	702	Creek	04	Vectomax FG	0.3400000	LB	0.0170	38.4345	-122.8631
5/16/2013	Mohrman	04266604	702	Creek	04	Vectomax FG	0.2750000	LB	0.0138	38.4344	-122.8628
5/16/2013	Petersen	01231506	702	Creek	04	Altosid Pellets	0.0068000	LB	0.0022	37.9415	-122.5473
5/16/2013	Mohrman	08M01370	702	Creek	04	Vectomax FG	4.0000000	LB	0.2000	38.4835	-122.8932
5/16/2013	Petersen	01232603	702	Creek	04	Altosid Pellets	0.0137000	LB	0.0045	37.9304	-122.5369

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5/16/2013	Petersen	01232603	702	Creek	04	Agnique MMF	0.0137000	OZ	0.0001	37.9304	-122.5369
5/16/2013	Petersen	01233402	702	Creek	04	Altosid Pellets	0.0360000	LB	0.0137	37.9495	-122.5265
5/16/2013	Petersen	01233402	702	Creek	04	Agnique MMF	1.6520000	OZ	0.0137	37.9495	-122.5265
5/16/2013	Petersen	01211213	702	Creek	04	Altosid Pellets	0.0300000	LB	0.0091	37.9547	-122.5544
5/16/2013	Filippi	E420E502	702	Creek	04	Agnique MMF	32.0000000	OZ	0.2500	38.3356	-123.0494
5/17/2013	Beck	01311403	702	Creek	04	Altosid Pellets	0.0030000	LB	0.0003	37.8963	-122.5436
5/17/2013	Beck	01312435	702	Creek	04	Altosid Pellets	0.0070000	LB	0.0008	37.898	-122.5428
5/17/2013	Petersen	01211201	702	Creek	04	Altosid Pellets	0.0190000	LB	0.0057	37.9694	-122.5504

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/17/2013	Petersen	01186207	702	Creek	04	Altosid Pellets	0.0050000	LB	0.0011	37.9704	-122.5673
5/17/2013	Petersen	01186207	702	Creek	04	Agnique MMF	0.1377000	OZ	0.0011	37.9704	-122.5673
5/17/2013	Petersen	01186203	702	Creek	04	Altosid Pellets	0.0390000	LB	0.0114	37.9771	-122.5763
5/20/2013	Petersen	01073401	702	Creek	04	Altosid Pellets	0.0390000	LB	0.0114	38.0177	-122.6732
5/20/2013	Petersen	01073401	702	Creek	04	Agnique MMF	0.0550000	OZ	0.0004	38.0177	-122.6732
5/20/2013	Petersen	01073405	702	Creek	04	Altosid Pellets	0.0069000	LB	0.0022	38.0156	-122.6761
5/20/2013	Petersen	01073405	702	Creek	04	Agnique MMF	0.0680000	OZ	0.0005	38.0156	-122.6761
5/20/2013	Beck	01305213	702	Creek	04	Altosid Pellets	0.0550000	LB	0.0055	37.9147	-122.5104



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/20/2013	Miller	04272101	702	Creek	04	Altosid Pellets	2.0000000	LB	1.0000	38.472	-122.8475
5/20/2013	Petersen	01074503	702	Creek	04	Altosid Pellets	0.0390000	LB	0.0137	38.0128	-122.6628
5/20/2013	Petersen	01074503	702	Creek	04	Agnique MMF	1.6520000	OZ	0.0137	38.0128	-122.6628
5/20/2013	Petersen	01074503	702	Creek	04	Altosid Briquets XR	3.0000000	EA	0.0068	38.0128	-122.6628
5/20/2013	Petersen	01075527	702	Creek	04	Altosid Pellets	0.0500000	LB	0.0183	38.0141	-122.6344
5/20/2013	Sequeira	04266620	702	Creek	04	Duplex	0.2810000	GAL	1.0000	38.4346	-122.8641
5/20/2013	Sequeira	04266620	702	Creek	04	Vectolex WDG	1.0000000	LB	1.0000	38.4346	-122.8641
5/21/2013	Wiles	05184613	702	Creek	04	Altosid Pellets	0.0200000	LB	0.0023	38.4805	-122.6549

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/21/2013	Morton	03804301	702	Creek	04	Vectolex FG	2.0000000	LB	0.1000	38.2861	-122.4316
5/21/2013	Trisciuzzi	04824204	702	Creek	04	Altosid Pellets	0.5000000	LB	0.2500	38.2552	-122.7145
5/21/2013	Petersen	01212324	702	Creek	04	Altosid Pellets	0.0150000	LB	0.0045	37.9595	-122.5383
5/21/2013	Petersen	01075543	702	Creek	04	Altosid Pellets	0.0700000	LB	0.0229	38.00-5	122-8-31
5/21/2013	Petersen	01075543	702	Creek	04	Agnique MMF	0.1100000	OZ	0.0009	38.00-5	122-8-31
5/21/2013	Beck	01M01507	702	Creek	04	Altosid Pellets	0.0450000	LB	0.0091	37.9097	-122.5423
5/22/2013	Mohrman	04266601	702	Creek	04	Vectomax FG	10.0000000	LB	0.5000	38.4353	-122.8692
5/22/2013	Mohrman	04266622	702	Creek	04	Vectomax FG	0.4000000	LB	0.0200	.	.

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/22/2013	Petersen	01213213	702	Creek	04	Altosid Pellets	0.0015000	LB	0.0004	37.9610	-122.5249
5/22/2013	Petersen	01071424	702	Creek	04	Altosid Pellets	0.0500000	LB	0.0114	38.0172	-122.695
5/22/2013	Petersen	01071501	702	Creek	04	Altosid Pellets	0.0030000	LB	0.0008	38.0075	-122.7039
5/22/2013	Petersen	01071501	702	Creek	04	Agnique MMF	0.0960000	OZ	0.0008	38.0075	-122.7039
5/22/2013	Edwards	02162426	702	Creek	04	Sand Granules	0.0020000	LB	0.0002	37.9900	-122.4800
5/22/2013	Filippi	A484J602	702	Creek	04	Vectomax FG	5.0000000	LB	0.2500	38.2069	-122.6761
5/23/2013	Ambroselli	09M01470	702	Creek	04	Altosid Pellets	0.0688000	LB	0.0344	38.5034	-122.7218
5/23/2013	Ambroselli	09M01470	702	Creek	04	Agnique MMF	0.0344000	GAL	0.0344	38.5034	-122.7218

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/23/2013	Beck	01345505	702	Creek	04	Altosid Pellets	0.0090000	LB	0.0009	37.8888	-122.4483
5/23/2013	Wiles	03684411	702	Creek	04	Altosid Briquets XR	2.0000000	EA	0.0028	38.3240	-122.4832
5/24/2013	Morton	03805304	702	Creek	04	Altosid Pellets	0.5000000	LB	0.1000	38.2914	-122.4220
5/24/2013	Trisciuzzi	04751501	702	Creek	04	Agnique MMF	2.0000000	OZ	0.0200	38.2744	-122.7336
5/28/2013	Mohrman	04391204	702	Creek	04	Vectomax FG	10.0000000	LB	0.5000	38.4243	-122.8503
5/28/2013	Beck	01333101	702	Creek	04	Altosid Pellets	2.0000000	LB	0.4242	37.8777	-122.5307
5/28/2013	Nadale	02015421	702	Creek	04	Altosid Pellets	0.6000000	LB	0.2000	38.0970	-122.5685
5/28/2013	Mohrman	04505307	702	Creek	04	Vectomax FG	0.6880000	LB	0.0344	38.3747	-122.8161

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/29/2013	Beck	01312524	702	Creek	04	Vectomax FG	0.0260000	LB	0.0015	37.8945	-122.5402
5/29/2013	Ambroselli	08M01284	702	Creek	04	Altosid Pellets	5.0000000	LB	2.0000	38.4197	-122.8760
5/30/2013	Wiles	03804411	702	Creek	04	Altosid Pellets	0.0500000	LB	0.0057	38.2846	-122.4314
5/30/2013	Merian	09M01480	702	Creek	04	Agnique MMF	0.0150000	OZ	0.0001	38.5099	-122.7108
5/30/2013	Merian	09M01480	702	Creek	04	Vectolex WSP	5.0000000	EA	0.0013	38.5099	-122.7108
5/31/2013	Merian	05174201	702	Creek	04	Altosid Briquets XR	1.0000000	EA	0.0002	38.5160	-122.7163
5/31/2013	Merian	05174201	702	Creek	04	Vectolex WSP	1.0000000	EA	0.0005	38.5160	-122.7163
5/17/2013	Sequeira	04266620	702	Creek	04	Duplex	0.2810000	GAL	1.0000	38.4346	-122.8641

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
5/17/2013	Sequeira	04266620	702	Creek	04	Vectolex WDG	1.0000000	LB	1.0000	38.4346	-122.8641
6/3/2013	Beck	01253317	702	Creek	04	Altosid Pellets	0.0220000	LB	0.0046	37.9137	-122.5580
6/4/2013	Nadale	04M01233	702	Creek	04	Altosid Briquets XR	3.0000000	EA	0.0045	38.1012	-122.6199
6/4/2013	Petersen	02162426	702	Creek	04	Altosid Pellets	0.0200000	LB	0.0068	37.9900	-122.4800
6/4/2013	Petersen	02162426	702	Creek	04	Agnique MMF	0.2750000	OZ	0.0022	37.9900	-122.4800
6/4/2013	Mohrman	04266609	702	Creek	04	Altosid Pellets	0.1020000	LB	0.0170	38.4347	-122.8659
6/5/2013	Trisciuzzi	04825303	702	Creek	04	Altosid Pellets	0.5000000	LB	0.0500	38.2497	-122.7080
6/5/2013	Beardsley	04526601	702	Creek	04	Altosid Pellets	0.8000000	LB	0.1600	38.3506	-122.6957

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
6/5/2013	Mohrman	04266604	702	Creek	04	Vectomax FG	0.2750000	LB	0.0138	38.4344	-122.8628
6/5/2013	Mohrman	08M01377	702	Creek	04	Vectomax FG	0.2200000	LB	0.0110	38.4350	-122.8668
6/5/2013	Mohrman	04266622	702	Creek	04	Vectomax FG	0.2200000	LB	0.0110	.	.
6/5/2013	Mohrman	08M01378	702	Creek	04	Vectomax FG	0.2200000	LB	0.0110	38.4350	-122.8672
6/5/2013	Mohrman	04266601	702	Creek	04	Vectomax FG	10.0000000	LB	0.5000	38.4353	-122.8692
6/5/2013	Nadale	02013427	702	Creek	04	Altosid Pellets	0.4000000	LB	0.1000	38.0937	-122.5983
6/5/2013	Nadale	02013422	702	Creek	04	Altosid Pellets	0.4000000	LB	0.1000	38.0941	-122.5978

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6/5/2013	Ambroselli	04505201	702	Creek	04	Vectomax FG	10.0000000	LB	0.7500	38.3787	-122.8179
6/6/2013	Mohrman	04266620	702	Creek	04	Vectobac 12AS	32.0000000	OZ	1.0000	38.4346	-122.8641
6/6/2013	Mohrman	04266620	702	Creek	04	Altosid Liquid Larvicide	4.0000000	OZ	1.0000	38.4346	-122.8641
6/6/2013	Mohrman	04266620	702	Creek	04	Vectolex WDG	1.0000000	LB	1.0000	38.4346	-122.8641
6/7/2013	Beck	01336306	702	Creek	04	Altosid Pellets	0.0450000	LB	0.0092	37.8586	-122.4938
6/7/2013	Beck	01336306	702	Creek	04	Agnique MMF	0.9000000	OZ	0.0092	37.8586	-122.4938
6/7/2013	Nadale	02013401	702	Creek	04	Altosid Briquets XR	3.0000000	EA	0.0022	38.0960	-122.5981
6/10/2013	Beck	01292305	702	Creek	04	Altosid Pellets	2.4000000	LB	0.4848	37.9149	-122.5373



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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
6/10/2013	Merian	02161504	702	Creek	04	Agnique MMF	0.0240000	OZ	0.0002	37.9798	-122.4880
6/10/2013	Merian	02161504	702	Creek	04	Vectolex WSP	8.0000000	EA	0.0009	37.9798	-122.4880
6/11/2013	Merian	02143602	702	Creek	04	Altosid Pellets	0.0010000	LB	0.0004	37.9836	-122.5236
6/12/2013	Trisciuzzi	04832606	702	Creek	04	Altosid Pellets	0.1000000	LB	0.0100	38.2302	-122.6746
6/12/2013	Beck	01312535	702	Creek	04	Agnique MMF	0.2000000	OZ	0.0022	37.8987	-122.5528
6/12/2013	Beck	01312535	702	Creek	04	Vectomax FG	0.0400000	LB	0.0022	37.8987	-122.5528
6/13/2013	Beck	01233602	702	Creek	04	Altosid Pellets	0.0800000	LB	0.0080	37.9349	-122.5343
6/14/2013	Merian	02154617	702	Creek	04	Altosid Pellets	0.0100000	LB	0.0027	37.9779	-122.5146

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6/14/2013	Merian	02154604	702	Creek	04	Altosid Pellets	0.0014000	LB	0.0004	37.9780	-122.5157
6/14/2013	Merian	02154606	702	Creek	04	Altosid Pellets	0.0020000	LB	0.0007	37.9778	-122.5162
6/14/2013	Merian	02154606	702	Creek	04	Agnique MMF	0.0440000	OZ	0.0005	37.9778	-122.5162
6/17/2013	Merian	02M01194	702	Creek	04	Altosid Pellets	0.0100000	LB	0.0010	38.0124	-122.5914
6/17/2013	Merian	02M01194	702	Creek	04	Agnique MMF	0.0750000	OZ	0.0006	38.0124	-122.5914
6/18/2013	Petersen	01115603	702	Creek	04	Altosid Pellets	0.0300000	LB	0.0091	37.9840	-122.5656
6/18/2013	Petersen	01115603	702	Creek	04	Agnique MMF	0.6880000	OZ	0.0057	37.9840	-122.5656
6/21/2013	Beardsley	05422105	702	Creek	04	Altosid Pellets	0.0900000	LB	0.0190	38.4335	-122.6783

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
6/26/2013	Merian	02053315	702	Creek	04	Agnique MMF	0.0117500	OZ	0.0000	38.0580	-122.5345
6/27/2013	Cole	02045302	702	Creek	04	Altosid Pellets	0.0070000	LB	0.0023	38.0576	-122.5679
6/28/2013	Merian	3AM00878	702	Creek	04	Altosid Pellets	0.0024000	LB	0.0010	37.9773	-122.4925
7/1/2013	Mohrman	04391204	702	Creek	04	Vectomax FG	10.0000000	LB	0.5000	38.4243	-122.8503
7/1/2013	Wiles	12M01071	702	Creek	04	Vectobac 12AS	4.8000000	OZ	0.1500	38.3849	-122.5595
7/2/2013	Wiles	03553201	702	Creek	04	Altosid Pellets	0.0200000	LB	0.0020	38.3830	-122.5529
7/2/2013	Merian	02045101	702	Creek	04	Altosid Pellets	0.0030000	LB	0.0011	38.0751	-122.5738
7/2/2013	Merian	02052402	702	Creek	04	Altosid Pellets	0.0025000	LB	0.0010	38.0491	-122.5429

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
7/3/2013	Merian	01253310	702	Creek	04	Altosid Pellets	0.0006000	LB	0.0002	37.9121	-122.5588
7/3/2013	Wells	E343J116	702	Creek	04	Altosid Briquets XR	7.0000000	EA	0.0160	38.5770	-122.7748
7/3/2013	Morton	03803104	702	Creek	04	Altosid Pellets	0.2000000	LB	0.0344	38.3010	-122.4409
7/3/2013	Morton	03803104	702	Creek	04	Altosid Pellets	0.2000000	LB	0.0344	38.3010	-122.4409
7/10/2013	Mohrman	04266604	702	Creek	04	Vectomax FG	0.2750000	LB	0.0138	38.4344	-122.8628
7/10/2013	Mohrman	04266611	702	Creek	04	Vectomax FG	0.3400000	LB	0.0170	38.4345	-122.8631
7/10/2013	Mohrman	04266609	702	Creek	04	Vectomax FG	0.3400000	LB	0.0170	38.4347	-122.8659
7/10/2013	Mohrman	04265602	702	Creek	04	Vectomax FG	0.9180000	LB	0.0459	38.4351	-122.8710

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
7/10/2013	Mohrman	04502203	702	Creek	04	Altosid Pellets	0.6000000	LB	0.1000	.	.
7/10/2013	Miller	04396105	702	Creek	04	BVA2	2.6500000	GAL	0.5000	38.4281	-122.8068
7/12/2013	Miller	04396105	702	Creek	04	BVA2	1.3000000	GAL	0.2500	38.4281	-122.8068
7/15/2013	Mohrman	04266620	702	Creek	04	Vectobac 12AS	32.0000000	OZ	1.0000	38.4346	-122.8641
7/15/2013	Mohrman	04266620	702	Creek	04	Altosid Liquid Larvicide	4.0000000	OZ	1.0000	38.4346	-122.8641
7/15/2013	Mohrman	04266620	702	Creek	04	Vectolex WDG	1.0000000	LB	1.0000	38.4346	-122.8641
7/15/2013	Morton	03801504	702	Creek	04	Altosid Briquets XR	1.0000000	EA	100.0000	38.2715	-122.4605
7/15/2013	Wiles	03684406	702	Creek	04	Altosid Pellets	0.0170000	LB	0.0017	38.3256	-122.4815

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
7/16/2013	Mohrman	04391204	702	Creek	04	Agnique MMF	12.8000000	OZ	0.1000	38.4243	-122.8503
7/18/2013	Merian	02154601	702	Creek	04	Agnique MMF	0.2930000	OZ	0.0022	37.9800	-122.5170
7/18/2013	Merian	02154602	702	Creek	04	Agnique MMF	0.0750000	OZ	0.0005	37.9787	-122.5179
7/22/2013	Beck	01334201	702	Creek	04	Altosid Pellets	0.0013000	LB	0.0003	37.8691	-122.5132
7/22/2013	Mohrman	04143605	702	Creek	04	Vectomax FG	1.1400000	LB	0.0570	38.4833	-122.8956
7/22/2013	Russo	05153201	702	Creek	04	Vectolex FG	0.0220000	LB	0.0022	38.5069	-122.8460
7/24/2013	Trisciuzzi	04832506	702	Creek	04	Altosid Briquets XR	2.0000000	EA	0.0020	38.2318	-122.6685

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
7/24/2013	Trisciuzzi	04832506	702	Creek	04	Agnique MMF	0.2500000	OZ	0.0020	38.2318	-122.6685
7/24/2013	Morton	03804410	702	Creek	04	Vectolex WSP	3.0000000	EA	0.0068	38.2786	-122.4274
7/29/2013	Miller	04272502	702	Creek	04	Vectomax FG	5.0000000	LB	0.2500	38.4433	-122.8446
7/29/2013	Mohrman	04391204	702	Creek	04	Agnique MMF	12.8000000	OZ	0.1000	38.4243	-122.8503
7/29/2013	Mohrman	08M01405	702	Creek	04	Vectomax FG	0.3440000	LB	0.0172	38.3794	-122.8075
8/1/2013	Petersen	01115603	702	Creek	04	Agnique MMF	0.8260000	OZ	0.0068	37.9840	-122.5656
8/1/2013	Beardsley	04533501	702	Creek	04	Agnique MMF	0.3670000	OZ	0.0050	38.3571	-122.6631
8/1/2013	Merian	01116502	702	Creek	04	Altosid Briquets XR	1.0000000	EA	0.0002	37.9875	-122.5626

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8/1/2013	Merian	01116502	702	Creek	04	Agnique MMF	0.0264000	OZ	0.0002	37.9875	-122.5626
8/2/2013	Beck	01M01533	702	Creek	04	Altosid Pellets	0.2900000	LB	0.0580	37.9314	-122.5370
8/5/2013	Merian	01186207	702	Creek	04	Agnique MMF	0.1000000	OZ	0.0009	37.9704	-122.5673
8/6/2013	Petersen	02141505	702	Creek	04	Altosid Pellets	0.0040000	LB	0.0011	37.9869	-122.5534
8/6/2013	Beck	01333101	702	Creek	04	CocoBear	0.9700000	OZ	0.0027	37.8777	-122.5307
8/7/2013	Trisciuzzi	04825301	702	Creek	04	Altosid Pellets	0.2500000	LB	0.1000	38.2459	-122.7035
8/8/2013	Nadale	02013427	702	Creek	04	Altosid Pellets	0.3000000	LB	0.1000	38.0937	-122.5983
8/8/2013	Nadale	02013435	702	Creek	04	Altosid Pellets	0.3000000	LB	0.1000	38.0945	-122.5979



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8/8/2013	Trisciuzzi	04761302	702	Creek	04	Altosid Briquets XR	0.1000000	EA	0.0010	38.2896	-122.6813
8/8/2013	Trisciuzzi	04761212	702	Creek	04	Altosid Pellets	0.0060000	LB	0.0030	38.2979	-122.6760
8/8/2013	Trisciuzzi	04761211	702	Creek	04	Altosid Pellets	0.0100000	LB	0.0050	38.2997	-122.6774
8/8/2013	Trisciuzzi	04762107	702	Creek	04	Altosid Pellets	0.0020000	LB	0.0010	38.3010	-122.6753
8/8/2013	Trisciuzzi	04763210	702	Creek	04	Altosid Pellets	0.0040000	LB	0.0020	38.2990	-122.6665
8/9/2013	Beck	01292305	702	Creek	04	Vectomax FG	0.0600000	LB	0.0030	37.9149	-122.5373
8/9/2013	Beck	01326418	702	Creek	04	Vectolex WSP	2.0000000	EA	0.0010	37.9021	-122.4929
8/9/2013	Trisciuzzi	04825303	702	Creek	04	Altosid Pellets	0.0020000	LB	0.0010	38.2497	-122.7080

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
8/12/2013	Trisciuzzi	04754402	702	Creek	04	Altosid Briquets XR	3.0000000	EA	0.0030	38.2833	-122.7123
8/13/2013	Petersen	01074503	702	Creek	04	Agnique MMF	0.5500000	OZ	0.0045	38.0128	-122.6628
8/13/2013	Trisciuzzi	04911105	702	Creek	04	Altosid Pellets	0.0040000	LB	0.0020	38.0794	-122.4295
8/14/2013	Russo	05026114	702	Creek	04	Vectolex FG	0.0220000	LB	0.0022	38.5598	-122.8075
8/14/2013	Mohrman	04635304	702	Creek	04	VectoMax WSP	5.0000000	EA	0.0068	38.3332	-122.7591
8/14/2013	Mohrman	04635304	702	Creek	04	Altosid Briquets XR	3.0000000	EA	0.0068	38.3332	-122.7591
8/14/2013	Wiles	03683613	702	Creek	04	Altosid Briquets XR	1.0000000	EA	0.0008	38.3098	-122.4976
8/16/2013	Merian	02046101	702	Creek	04	Altosid Pellets	0.0012000	LB	0.0004	38.0722	-122.5651

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
8/16/2013	Ambroselli	05305201	702	Creek	04	Altosid Pellets	0.0500000	LB	0.0229	38.4680	-122.6599
8/16/2013	Ambroselli	05305201	702	Creek	04	Agnique MMF	0.0229000	GAL	0.0229	38.4680	-122.6599
8/16/2013	Cole	02051101	702	Creek	04	Vectolex WSP	2.0000000	EA	0.0046	38.0690	-122.5531
8/19/2013	Picinich	04503506	702	Creek	04	Vectolex FG	0.1000000	LB	0.0100	38.3559	-122.8339
8/20/2013	Merian	02051101	702	Creek	04	Altosid Pellets	0.0001000	LB	0.0000	38.0690	-122.5531
8/21/2013	Merian	01312529	702	Creek	04	Altosid Pellets	0.0019000	LB	0.0008	37.8954	-122.5442
8/21/2013	Merian	01312535	702	Creek	04	Vectolex WSP	6.0000000	EA	0.0022	37.8987	-122.5528
8/23/2013	Reed	E241J202	702	Creek	04	Agnique MMF	0.0200000	GAL	0.0200	38.8054	-122.8554

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8/23/2013	Nadale	02012108	702	Creek	04	Altosid Pellets	0.3000000	LB	0.1000	38.1159	-122.6103
8/26/2013	Petersen	01115631	702	Creek	04	Altosid Pellets	0.0210000	LB	0.0068	37.9852	-122.5652
8/26/2013	Petersen	01115631	702	Creek	04	Agnique MMF	0.8260000	OZ	0.0068	37.9852	-122.5652
8/26/2013	Edwards	02154602	702	Creek	04	BVA2	6.0000000	OZ	0.0091	37.9787	-122.5179
8/26/2013	Edwards	02154601	702	Creek	04	BVA2	15.0000000	OZ	0.0229	37.9800	-122.5170
8/27/2013	Petersen	02M01209	702	Creek	04	Agnique MMF	0.2750000	OZ	0.0022	38.0129	-122.6973
8/28/2013	Ambroselli	04651109	702	Creek	04	Altosid Liquid Larvicide	6.0000000	OZ	2.0000	38.3431	-122.6852
8/28/2013	Ambroselli	04651109	702	Creek	04	Aquabac XT	64.0000000	OZ	2.0000	38.3431	-122.6852

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
8/28/2013	Ambroselli	04651109	702	Creek	04	Vectobac 12AS	64.0000000	OZ	2.0000	38.3431	-122.6852
8/29/2013	Leslie	05296402	702	Creek	04	Vectobac 12AS	32.0000000	OZ	1.0000	38.4493	-122.6976
8/29/2013	Petersen	01075543	702	Creek	04	Altosid Pellets	0.1232000	LB	0.0400	38.00-5	122-8-31
8/29/2013	Petersen	01075502	702	Creek	04	Altosid Pellets	0.0560000	LB	0.0183	38.0130	-122.6427
8/29/2013	Petersen	01075527	702	Creek	04	Altosid Pellets	0.0280000	LB	0.0091	38.0141	-122.6344
8/30/2013	Merian	01312435	702	Creek	04	Altosid Pellets	0.0005000	LB	0.0002	37.898	-122.5428
8/30/2013	Petersen	01073405	702	Creek	04	Altosid Pellets	0.0035000	LB	0.0011	38.0156	-122.6761
8/30/2013	Petersen	01073401	702	Creek	04	Altosid Pellets	0.0140000	LB	0.0045	38.0177	-122.6732

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
8/30/2013	Petersen	01073401	702	Creek	04	Agnique MMF	0.5500000	OZ	0.0045	38.0177	-122.6732
8/30/2013	Merian	01312535	702	Creek	04	Agnique MMF	2.0000000	OZ	0.0220	37.8987	-122.5528
8/30/2013	Merian	01M01547	702	Creek	04	Agnique MMF	0.4000000	OZ	0.0032	37.8985	-122.5524
8/30/2013	Edwards	02143602	702	Creek	04	Sand Granules	0.0045000	LB	0.0002	37.9836	-122.5236
8/30/2013	Petersen	02M01194	702	Creek	04	Altosid Pellets	0.0210000	LB	0.0068	38.0124	-122.5914
8/30/2013	Petersen	02M01194	702	Creek	04	Agnique MMF	0.8260000	OZ	0.0068	38.0124	-122.5914
9/4/2013	Mohrman	04391204	702	Creek	04	Vectomax FG	0.4600000	LB	0.0230	38.4243	-122.8503

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9/5/2013	Edwards	3AM00878	702	Creek	04	Altosid Pellets	0.0300000	LB	0.0034	37.9773	-122.4925
9/5/2013	Edwards	3AM00878	702	Creek	04	Agnique MMF	0.0030000	GAL	0.0034	37.9773	-122.4925
9/6/2013	Beck	01311403	702	Creek	04	Altosid Pellets	0.1300000	LB	0.0270	37.8963	-122.5436
9/6/2013	Morton	03803104	702	Creek	04	Altosid Pellets	0.0200000	LB	0.0068	38.3010	-122.4409
9/6/2013	Peterson	E420E502	702	Creek	04	Agnique MMF	1.1600000	OZ	0.0091	38.3356	-123.0494
9/9/2013	Petersen	01211201	702	Creek	04	Agnique MMF	0.1377000	OZ	0.0011	37.9694	-122.5504
9/9/2013	Petersen	01212340	702	Creek	04	Agnique MMF	0.8260000	OZ	0.0068	37.57-2	122.-2-29
9/9/2013	Trisciuzzi	03683411	702	Creek	04	Vectobac 12AS	38.4000000	OZ	1.2500	38.3230	-122.4945

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9/9/2013	Mohrman	03683411	702	Creek	04	Vectobac 12AS	38.4000000	OZ	1.2500	38.3230	-122.4945
9/9/2013	Wiles	03683411	702	Creek	04	Vectobac 12AS	44.8000000	OZ	1.4000	38.3230	-122.4945
9/10/2013	Nadale	02013427	702	Creek	04	Altosid Pellets	0.3000000	LB	0.1000	38.0937	-122.5983
9/10/2013	Russo	05901604	702	Creek	04	Agnique MMF	0.4400000	OZ	0.0068	38.5621	-122.8061
9/10/2013	Miller	04396105	702	Creek	04	Vectomax FG	20.0000000	LB	1.0000	38.4281	-122.8068
9/10/2013	Leslie	05174203	702	Creek	04	Altosid Pellets	0.0066000	LB	0.0022	38.5123	-122.7215
9/11/2013	Morton	03804210	702	Creek	04	Altosid Pellets	0.5000000	LB	0.1147	.	.
9/11/2013	Petersen	01171101	702	Creek	04	Agnique MMF	2.7500000	OZ	0.0229	37.9752	-122.6064



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9/13/2013	Mohrman	04144204	702	Creek	04	Vectobac GS	80.0000000	LB	8.0000	38.5080	-122.8859
9/13/2013	Beck	01M01556	702	Creek	04	Altosid Briquets XR	1.0000000	EA	0.0023	37.9012	-122.4723
9/13/2013	Beck	01M01556	702	Creek	04	CocoBear	1.0000000	OZ	0.0023	37.9012	-122.4723
9/13/2013	Wiles	03683411	702	Creek	04	Vectobac 12AS	20.0000000	OZ	0.7500	38.3230	-122.4945
9/16/2013	Leslie	05183615	702	Creek	04	Vectomax FG	0.9180000	LB	0.0918	38.4832	-122.6702
9/17/2013	Beck	01326418	702	Creek	04	Altosid Briquets XR	1.0000000	EA	0.0023	37.9021	-122.4929
9/17/2013	Beck	01326418	702	Creek	04	Agnique MMF	0.2300000	OZ	0.0023	37.9021	-122.4929
9/18/2013	Petersen	01071424	702	Creek	04	Altosid Pellets	0.0130000	LB	0.0045	38.0172	-122.695

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9/19/2013	Mohrman	04143507	702	Creek	04	Vectomax FG	5.0000000	LB	0.2500	38.4871	-122.8854
9/19/2013	Petersen	01115629	702	Creek	04	Altosid Pellets	0.0012000	LB	0.0004	37.9833	-122.5836
9/19/2013	Petersen	01103630	702	Creek	04	Agnique MMF	0.5500000	OZ	0.0045	37.9848	-122.5943
9/19/2013	Leslie	05293203	702	Creek	04	Vectomax FG	5.0000000	LB	0.5000	38.4728	-122.7271
9/24/2013	Petersen	01073401	702	Creek	04	Altosid Pellets	0.0180000	LB	0.0068	38.0177	-122.6732
9/30/2013	Wiles	03556504	702	Creek	04	Altosid Pellets	0.0200000	LB	0.0027	38.3645	-122.5257
10/2/2013	Petersen	01075543	702	Creek	04	Altosid Pellets	0.0480000	LB	0.0183	38.00-5	122-8-31
10/3/2013	Morton	03804403	702	Creek	04	Altosid Pellets	0.3000000	LB	0.1000	38.2820	-122.4300

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10/3/2013	Edwards	02154604	702	Creek	04	Agnique MMF	0.0060000	GAL	0.0068	37.9780	-122.5157
10/3/2013	Edwards	02154601	702	Creek	04	Agnique MMF	0.0200000	GAL	0.0229	37.9800	-122.5170
10/3/2013	Edwards	02224125	702	Creek	04	Agnique MMF	0.0050000	GAL	0.0057	37.9772	-122.5201
10/3/2013	Edwards	02154610	702	Creek	04	Agnique MMF	0.0060000	GAL	0.0068	37.9792	-122.5202
10/3/2013	Edwards	02154617	702	Creek	04	Agnique MMF	0.0060000	GAL	0.0068	37.9779	-122.5146
10/3/2013	Edwards	02154602	702	Creek	04	Agnique MMF	0.0450000	GAL	0.0459	37.9787	-122.5179
10/3/2013	Petersen	01233402	702	Creek	04	Altosid Pellets	0.0180000	LB	0.0068	37.9495	-122.5265
10/8/2013	Ambroselli	05031203	702	Creek	04	Altosid Briquets (small)	22.0000000	EA	0.5000	38.5533	-122.8027

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10/9/2013	Petersen	01115603	702	Creek	04	Altosid Pellets	0.0030000	LB	0.0011	37.9840	-122.5656
10/9/2013	Petersen	01115603	702	Creek	04	Agnique MMF	0.5500000	OZ	0.0045	37.9840	-122.5656
10/9/2013	Beck	01335301	702	Creek	04	Altosid Pellets	0.2000000	LB	0.0413	37.8658	-122.4998
10/9/2013	Petersen	01075517	702	Creek	04	Agnique MMF	1.3770000	OZ	0.0114	38.0032	-122.6414
10/10/2013	Nadale	02011202	702	Creek	04	Altosid Pellets	0.9000000	LB	0.3000	38.1137	-122.6114
10/10/2013	Beck	01312535	702	Creek	04	Altosid Pellets	0.0100000	LB	0.0022	37.8987	-122.5528
10/10/2013	Beck	01312527	702	Creek	04	Altosid Pellets	0.2800000	LB	0.0570	37.8955	-122.5393
10/10/2013	Petersen	01212324	702	Creek	04	Altosid Pellets	0.0060000	LB	0.0022	37.9595	-122.5383

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
10/10/2013	Wiles	03801504	702	Creek	04	Vectobac 12AS	3.6000000	OZ	0.2000	38.2715	-122.4605
10/11/2013	Peterson	E420E502	702	Creek	04	Altosid Pellets	0.0241040	LB	0.0034	38.3356	-123.0494
10/14/2013	Petersen	01074503	702	Creek	04	Altosid Pellets	0.0300000	LB	0.0114	38.0128	-122.6628
10/16/2013	Edwards	02134307	702	Creek	04	Altosid Briquets XR	1.0000000	EA	0.0000	38.0074	-122.5177
10/21/2013	Petersen	01094303	702	Creek	04	Agnique MMF	0.1377000	OZ	0.0011	38.0064	-122.5770
10/22/2013	Petersen	01186203	702	Creek	04	Agnique MMF	0.0680000	OZ	0.0005	37.9771	-122.5763
10/23/2013	Trisciuzzi	04844401	702	Creek	04	Altosid Pellets	0.0020000	LB	0.0010	38.2380	-122.6
10/24/2013	Trisciuzzi	04836202	702	Creek	04	Altosid Pellets	0.5000000	LB	0.2500	38.2529	-122.6317

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10/24/2013	Wiles	03683613	702	Creek	04	Altosid Pellets	0.0200000	LB	0.0027	38.3098	-122.4976
10/25/2013	Cole	02142401	702	Creek	04	Altosid Briquets (small)	2.0000000	EA	0.0046	37.9959	-122.5389
10/28/2013	Nadale	02011302	702	Creek	04	Altosid Briquets (small)	3.0000000	EA	1.0000	38.1037	-122.6151
10/28/2013	Petersen	01073401	702	Creek	04	Altosid Pellets	0.0090000	LB	0.0034	38.0177	-122.6732
10/28/2013	Petersen	01073405	702	Creek	04	Altosid Pellets	0.0030000	LB	0.0011	38.0156	-122.6761
10/29/2013	Petersen	01231406	702	Creek	04	BVA2	11.7539000	OZ	0.0183	37.9494	-122.5567
10/30/2013	Petersen	01232603	702	Creek	04	Agnique MMF	0.2200000	OZ	0.0018	37.9304	-122.5369
10/31/2013	Sequeira	01231406	702	Creek	04	Vectolex WSP	2.0000000	EA	0.0006	37.9494	-122.5567

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11/1/2013	Wiles	03791601	702	Creek	04	Altosid Pellets	0.1400000	LB	0.0143	38.2703	-122.5045
10/31/2013	Miller	04396105	702	Creek	04	Vectomax FG	30.0000000	LB	1.5000	38.4281	-122.8068
11/5/2013	Nadale	02014102	702	Creek	04	Altosid Pellets	0.6000000	LB	0.2000	38.1190	-122.5866
11/6/2013	Reed	0EM01964	702	Creek	04	Vectomax FG	0.0340000	LB	0.0034	38.5111	-123.2315
11/8/2013	Nadale	02015514	702	Creek	04	Agnique MMF	0.5000000	OZ	0.0045	38.0889	-122.5657
11/12/2013	Miller	04396105	702	Creek	04	Vectomax FG	10.0000000	LB	0.5000	38.4281	-122.8068
11/13/2013	Petersen	01074503	702	Creek	04	Agnique MMF	1.3770000	OZ	0.0114	38.0128	-122.6628
11/13/2013	Petersen	01231406	702	Creek	04	Vectomax FG	0.2290000	LB	0.0114	37.9494	-122.5567

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11/13/2013	Nadale	02015514	702	Creek	04	Agnique MMF	0.1500000	OZ	0.0022	38.0889	-122.5657
4/24/2013	Miller	04266620	702	Creek	05	Pyrocide 5% - GAL	8.0000000	OZ	10.0000	38.4346	-122.8641
5/1/2013	Miller	04272502	702	Creek	05	Pyrocide 5% - GAL	21.0000000	OZ	25.0000	38.4433	-122.8446
5/1/2013	Miller	04272517	702	Creek	05	Pyrocide 5% - GAL	8.0000000	OZ	10.0000	38.4390	-122.8533
5/3/2013	Wiles	03682413	702	Creek	05	Pyrocide 5% - GAL	3.0000000	OZ	3.6000	38.3286	-122.5075
5/6/2013	Miller	04282304	702	Creek	05	Pyrocide 5% - GAL	16.5000000	OZ	20.0000	38.4583	-122.7908
5/17/2013	Wiles	03792102	702	Creek	05	Pyrocide 5% - GAL	45.0000000	OZ	54.8000	38.3055	-122.5072
5/17/2013	Nadale	02011311	702	Creek	05	Pyrocide 5% - GAL	8.0000000	OZ	9.7500	38.1020	-122.6167



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6/6/2013	Wiles	03804414	702	Creek	05	Pyrocide 5% - GAL	6.0000000	OZ	7.3000	38.2820	-122.4308
6/7/2013	Miller	04272517	702	Creek	05	Pyrocide 5% - GAL	16.0000000	OZ	20.0000	38.4390	-122.8533
9/19/2013	Beck	01326418	702	Creek	05	Pyrocide 5% - GAL	0.0004600	GAL	0.0700	37.9021	-122.4929
3/7/2013	Edwards	3AM00875	708	Culvert	04	Vectobac 12AS	0.0312500	GAL	0.1250	37.9953	-122.5404
3/7/2013	Edwards	02142425	708	Culvert	04	Vectobac 12AS	0.0312500	GAL	0.1250	37.9953	-122.5405
3/18/2013	Reed	E282B401	708	Culvert	04	Vectomax FG	0.6250000	LB	0.0625	38.7045	-122.9321
3/20/2013	Edwards	01225317	708	Culvert	04	Altosid Briquets XR	7.0000000	EA	0.0114	37.9526	-122.5050
3/20/2013	Edwards	01225317	708	Culvert	04	BVA2	7.5000000	OZ	0.0114	37.9526	-122.5050

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3/27/2013	Petersen	01224209	708	Culvert	04	Agnique MMF	0.5870000	OZ	0.0091	37.9644	-122.5229
4/19/2013	Edwards	02142425	708	Culvert	04	Sand Granules	0.0100000	LB	0.0011	37.9953	-122.5405
4/24/2013	Edwards	3AM00875	708	Culvert	04	Sand Granules	0.0050000	LB	0.0004	37.9953	-122.5404
5/10/2013	Leslie	09M01464	708	Culvert	04	Vectomax FG	2.0000000	LB	0.2000	38.5590	-122.6320
6/4/2013	Merian	3AM00915	708	Culvert	04	Altosid Pellets	0.0010000	LB	0.0002	37.9760	-122.4786
6/10/2013	Beck	01304302	708	Culvert	04	Altosid Pellets	0.0025000	LB	0.0005	37.9078	-122.5169
6/10/2013	Beck	01304302	708	Culvert	04	BVA2	0.0025000	GAL	0.0005	37.9078	-122.5169
6/13/2013	Merian	02154636	708	Culvert	04	Vectolex WSP	1.0000000	EA	0.0004	37.9831	-122.5135

## NPDES Crop Code Monthly Report

2/18/2014

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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
6/17/2013	Beck	01293110	708	Culvert	04	Altosid Briquets XR	1.0000000	EA	0.0004	37.9278	-122.531
6/28/2013	Merian	02156603	708	Culvert	04	Agnique MMF	0.1400000	OZ	0.0011	37.9785	-122.4928
7/11/2013	Wiles	03556501	708	Culvert	04	BVA2	0.9000000	OZ	0.0014	38.3594	-122.5237
7/12/2013	Merian	02121223	708	Culvert	04	Altosid Pellets	0.0004000	LB	0.0001	38.0107	-122.5461
8/19/2013	Petersen	01211110	708	Culvert	04	Altosid Pellets	0.0006000	LB	0.0002	37.9736	-122.5509
9/5/2013	Cole	02121223	708	Culvert	04	Altosid Pellets	0.0110000	LB	0.0036	38.0107	-122.5461
9/5/2013	Edwards	02156603	708	Culvert	04	Altosid Pellets	0.0300000	LB	0.0034	37.9785	-122.4928
9/5/2013	Edwards	02156603	708	Culvert	04	Agnique MMF	0.0030000	GAL	0.0034	37.9785	-122.4928

NPDES Crop Code Monthly Report

2/18/2014

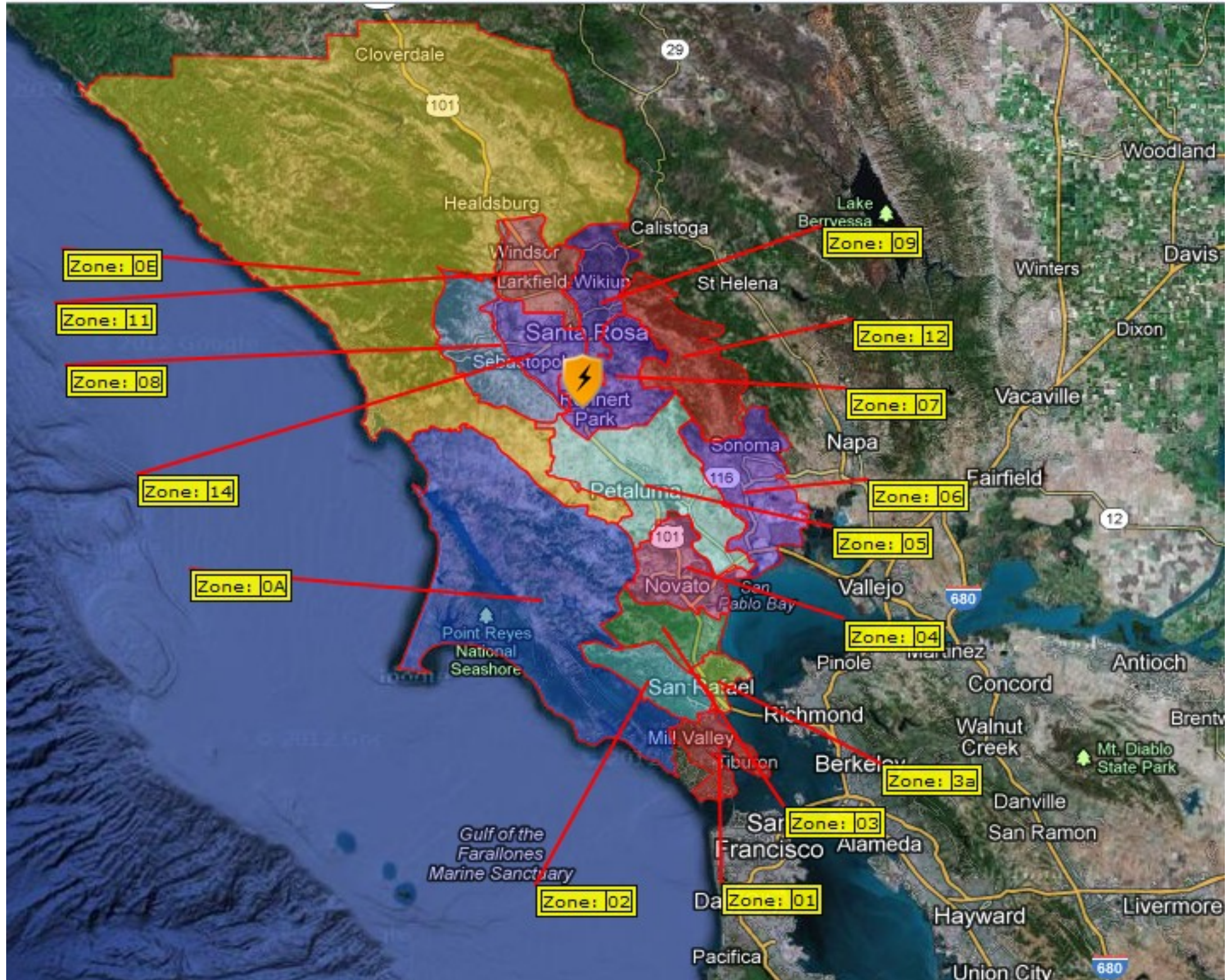
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Date	Applicator	Source #	Crop ID	Habitat	Action Code	Product Name	Product Amount	Unit	Acres	Latitude	Longitude
9/11/2013	Merian	02142425	708	Culvert	04	Agnique MMF	0.0470000	OZ	0.0003	37.9953	-122.5405
9/24/2013	Edwards	3AM00875	708	Culvert	04	Altosid Pellets	0.0009000	LB	0.0000	37.9953	-122.5404
9/24/2013	Edwards	3AM00875	708	Culvert	04	BVA2	0.0004500	GAL	0.0000	37.9953	-122.5404
9/26/2013	Edwards	01225317	708	Culvert	04	Altosid Briquets XR	6.0000000	EA	0.0126	37.9526	-122.5050
9/26/2013	Edwards	01225317	708	Culvert	04	BVA2	8.0000000	OZ	0.0126	37.9526	-122.5050
10/2/2013	Cole	02121223	708	Culvert	04	Altosid Pellets	0.0110000	LB	0.0036	38.0107	-122.5461
10/4/2013	Merian	09M01509	708	Culvert	04	Altosid Pellets	0.0018000	LB	0.0007	38.5515	-122.7132

Totals: 1,200 records printed



Areas in Marin and Sonoma Counties Where Mosquito Larvicide and Adulticide Applications are Performed \*



\* In 2013 there were no adulticide applications performed in Zone 0A



# Marin/Sonoma Mosquito and Vector Control District

Attachment C

NPDES Annual Report 2013  
Order # 2012-0003-DWQ NPDES # CAG 990004

**MVCAC NPDES Permit Coalition 2013 Annual Report**

MVCAC NPDES Permit Coalition  
2013 Annual Report  
NPDES Vector Control Permit  
(Order No. 2011-0002-DWQ, as  
amended by 2012-0003-DWQ)

*Prepared by*

**Mosquito and Vector Control Association of California NPDES Permit  
Coalition**



February 11, 2014





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## Tables

Table 1. Members of the MVCAC NPDES Permit Coalition

Table 2. MVCAC NPDES Permit Coalition Chemical Monitoring 2011 and 2012

Table 3. MVCAC NPDES Permit Coalition Physical Measurements by Location, 2012

## Acronyms

µg/L	micrograms per liter
BMPs	Best Management Practices
Coalition	MVCAC NPDES Permit Coalition
DO	dissolved oxygen
EC	electrical conductivity
IPM	integrated pest management
MAD	Mosquito Abatement District
MRP	Monitoring and Reporting Program
MVCAC	Mosquito and Vector Control Association of California
MVCD	Mosquito and Vector Control District
NPDES	National Pollutant Discharge Elimination System
PAP	Pesticide Application Plan
PBO	piperonyl butoxide
SWRCB	State Water Resources Control Board
VCD	Vector Control District
VCSD	Vector Control Services District

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## EXECUTIVE SUMMARY

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The Statewide National Pollutant Discharge Elimination System (NPDES) Permit for Biological and Residual Pesticide Discharges to Waters of the United States from Vector Control Applications (Water Quality Order No. 2011-0002-DWQ; Vector Control Permit) became effective on November 1, 2011. This general permit was later amended by Water Quality Order No. 2012-0003-DWQ on April 3, 2012. The Vector Control Permit covers the point source discharge of biological and residual pesticides resulting from direct and indirect spray applications for vector control. Under this general permit, entities involved in the application of vector control pesticides that result in a discharge of biological and residual pesticides to waters of the United States are to comply with the permit's Monitoring and Reporting Program (MRP). The permit encourages dischargers to form monitoring coalitions with others doing similar applications in similar environmental settings. The Mosquito Vector Control Association of California (MVCAC) NPDES Permit Coalition (Coalition) consists of 64 member districts and agencies. In 2011 and 2012, the Coalition conducted visual, physical, and chemical monitoring consistent with its Monitoring Plan (dated September 12, 2011) and Quality Assurance Project Plan (dated September 12, 2011) which were developed to comply with the MRP from the Vector Control Permit.

During 2013, the Coalition did not conduct chemical monitoring or perform visual, physical, and chemical testing reportable under the Vector Control Permit. Chemical monitoring and associated visual and physical monitoring were suspended due to ongoing negotiations with the State Water Resources Control Board (SWRCB). These discussions were centered on the removal of the physical and chemical monitoring requirements in the permit. The SWRCB is currently proposing significant changes to the Vector Control Permit which have a direct impact on the monitoring component.

MVCAC member agencies also suspended visual and physical monitoring during application of larvicides. They did not document visual monitoring observations due to high West Nile virus activity in 2013. This is consistent with the SWRCB notification letter of July 13, 2012 to MVCAC that because visual monitoring requirements were "interfering with the need for maximal efficient application to adequately protect human health from vector-borne diseases like West Nile virus," that the visual monitoring was no longer required by individual member districts. The member districts continued to follow the guidelines of its Pesticide Application Plan (PAP).

Improvements to individual district PAPs and their associated best management practices (BMPs) were determined by individual member districts during their annual reporting as required by the Vector Control Permit.



## 1.1 INTRODUCTION

This is the 2013 Annual Report for MVCAC NPDES Permit Coalition, as required under the Statewide NPDES Permit for Biological and Residual Pesticide Discharges to Waters of the United States from Vector Control Applications (Water Quality Order No. 2011-0002-DWQ, as amended by Water Quality Order No. 2012-0003-DWQ). The Coalition conducts chemical monitoring for its members under the Vector Control Permit MRP (Attachment C of the permit).

Member districts of the Coalition submit individual annual reports consistent with the Vector Control Permit. Individual annual reports focus on larvicide and adulticide applications, site locations, and comprehensive pesticide applications logs for all larvicide and adulticide applications to Waters of the United States. Member district annual reports also address recommendations to improve PAPs and BMPs. Members of the Coalition are listed in Table 1.

**Table 1. Members of the MVCAC NPDES Permit Coalition**

Alameda County MAD	Merced County MAD
Alameda County VCSD	Napa County MAD
Burney Basin MAD	Nevada County Community Development Agency
Butte County MVCD	Northern Salinas Valley MAD
City of Alturas	Northwest MVCD
City of Blythe	Orange County VCD
City of Long Beach	Oroville MAD
City of Moorpark	Owens Valley MAD
City of Pasadena	Pine Grove MAD
City of San Francisco	Placer MVCD
Coachella Valley MVCD	Riverside County Vector Control Program
Colusa MAD	Sacramento - Yolo MVCD
Compton Creek MAD	Saddle Creek Community Services District
Consolidated MAD	San Benito County Agricultural Commission
Contra Costa MVCD	San Bernardino County
Delta VCD	San Diego County Department of Environmental Health - Vector Control Program
Durham MAD	San Gabriel Valley MVCD
East Side MAD	San Joaquin County MVCD
El Dorado County Environmental Management	San Mateo County MVCD
Fresno MVCD	Santa Barbara County, Mosquito and Vector Management District of
Fresno Westside MAD	Santa Clara County VCD
Glenn County MVCD	Santa Cruz County MVCD

**Table 1. Members of the MVCAC NPDES Permit Coalition**

Greater Los Angeles County VCD	Shasta MVCD
Imperial County Vector Control	Solano County MAD
June Lake Public Utility District	South Fork MAD
Kern MVCD	Sutter-Yuba MVCD
Kings MAD	Tehama County MVCD
Lake County VCD	Tulare County MAD
Los Angeles County West VCD	Turlock MAD
Madera County MVCD	Ventura County Environmental Health Division
Mammoth Lakes MAD	West Side MVCD
Marin/Sonoma MVCD	West Valley MVCD

## Notes:

MAD = Mosquito Abatement District

MVCD = Mosquito and Vector Control District

VCD = Vector Control District

VCSD = Vector Control Services District

**1.2 WEST NILE VIRUS ACTIVITY**

West Nile virus is a mosquito-borne disease that is common in Africa, west Asia, the Middle East, and more recently, North America. Human infection with West Nile virus may result in serious illness. It first appeared in California in 2002, and in 2004, West Nile virus activity was observed in all 58 counties.

ArboNET is the Center for Disease Control's internet-based passive surveillance system for arboviral diseases (including West Nile virus) in the United States. Data are uploaded to ArboNET on a weekly basis by state and local health departments. In 2013, a total of 368 human cases of West Nile virus and 15 fatalities were reported to ArboNET. Based on Center for Disease Control studies, there were probably thousands of additional cases that were not diagnosed or reported.

## 2.1 PRIOR MONITORING ACTIVITY

The Coalition conducted chemical monitoring at 61 locations during 19 adulticide application events in 2011 and 2012 and performed the necessary visual, physical, and chemical testing reportable under the Vector Control Permit. The Coalition also coordinated physical monitoring for 136 larvicide application events in 2012. MVCAC member agencies were in full compliance with the monitoring requirements of the Vector Control Permit.

Samples and measurements taken for the purpose of monitoring were representative of the monitored activity. They characterized aerial and truck applications, and covered a broad geographic range. Visual observations included descriptions of the monitoring area, appearance of the waterway, and weather conditions.

Chemical monitoring by the Coalition included the adulticide active ingredients listed in the Vector Control Permit. Table 2 illustrates the Coalition's progress towards meeting the chemical monitoring requirements of the Vector Control Permit MRP. Concentrations of pyrethrins, permethrin, sumithrin, prallethrin, etofenprox, piperonyl butoxide (PBO), naled, and malathion were analyzed and reported by the California Department of Fish and Wildlife Water Pollution Control Laboratory (Gold River, California) in 2011 and Caltest Analytical Laboratory (Napa, California) in 2012. In 2012, five application events of chemical pesticides, including malathion, PBO in PBO/pyrethrin mixtures, and etofenprox, resulted in exceedances of Receiving Water Limitations or Receiving Water Monitoring Triggers. Several of the compounds were also found in the pre-application event at concentrations greater than the monitoring trigger. Investigations of these exceedances were conducted as required by the Vector Control Permit. No adverse effects were witnessed.

**Table 2. MVCAC NPDES Permit Coalition Chemical Monitoring, 2011 and 2012**

Active Ingredient	Agricultural		Urban		Wetland	
	Required	Completed	Required	Completed	Required	Completed
Pyrethrin	6	6	6	6	6	6
PBO/Pyrethrin	6	6	6	6	6	6
Permethrin	6	6	6	6	6	1
Resmethrin	6	0	6	0	6	0
PBO/Resmethrin	6	0	6	0	6	0
Sumithrin	6	6	6	6	6	6
Prallethrin	6	0	6	1	6	0
Etofenprox	6	0	6	1	6	0
PBO	6	12	6	13	6	7
Naled	6	1	6	6	6	2
Malathion	6	1	6	0	6	1
MGK-264	6	0	6	0	6	0

## SECTION 2

## SUMMARY OF MONITORING DATA

Temephos	6	0	6	0	6	0
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The Coalition sampled 87 of the required 180 application events in 2011 and 2012 with the majority of those being five products (pyrethrin, PBO with pyrethrin, sumithrin, permethrin, and PBO). The other five products (resmethrin, PBO with resmethrin, prallethrin, etofenprox, and MGK 264) are rarely used and it is unlikely that sufficient uses would be available to complete the testing in the future.

With the exception of PBO, the data collected in 2011 and 2012 had low detection frequencies. Active ingredients were detected in only 8 of 51 samples (16%) analyzed for pyrethrin, permethrin, sumithrin, or etofenprox. PBO was analyzed in 100 total samples because it was applied with all pyrethroids and PBO was detected above the method detection limit of 0.005 µg/L in 63 (63%) of those samples. Detection frequencies are expected to be similar for active ingredients that were not sampled in 2011 and 2012, based on the similar nature of the applications.

Physical measurements (temperature, pH, electrical conductivity [EC], and dissolved oxygen [DO], and turbidity) for larvicide applications were coordinated by the Coalition. Physical measurements collected in the field included temperature, pH, EC, and DO. Turbidity was measured in the field or at a laboratory. Table 3 lists which districts collected physical measurements for each larvicide active ingredient in 2012. Some of the representing districts completed their physical measurements in early-2013.

**Table 3. MVCAC NPDES Permit Coalition Physical Measurements, 2012**

Product Name	Registration Number	Environmental Setting		
		Rural/Ag	Urban	Wetland
<i>Bacillus sphaericus</i>				
<b>Volunteer District</b>				
Vectolex CG Biological Larvicide	73049-20	San Joaquin (6)	Greater LA (6)	San Mateo (6)
Vectolex WDG Biological Larvicide	73049-57			
Vectolex WSP Biological Larvicide	73049-20			
Spheratax SPH (50 G) WSP	84268-2			
Spheratax SPH (50 G)	84268-2			
<i>Bacillus thuringiensis</i>				
Vectobac Technical Powder	73049-13	Placer (6)	Greater LA (6)	Butte County (6)
Vectobac-12 AS	73049-38			
Aquabac 200G	62637-3			
Teknar HP-D	3049-404			
Vectobac-G Biological Mosquito Larvicide Granules	73049-10			
Aquabac xt	62637-1			
<i>Bacillus sphaericus and Bacillus thuringiensis</i>				
Vectomax CG Biological Larvicide	3049-429	Lake County (6)	San Joaquin (2)	San Joaquin (2)
Vectomax WSP Biological Larvicide	3049-429			
Vectomax G Biological Larvicide/Granules	3949-429			
FourStar Briquets	83362-3			
FourStar SBG	85685-1			
		San Diego (4)	San Diego (4)	



Table 3. MVCAC NPDES Permit Coalition Physical Measurements, 2012

Product Name	Registration Number	Environmental Setting		
		Rural/Ag	Urban	Wetland
Methoprene				
Zoecon Altosid Pellets	2724-448	Shasta (6)	Greater LA (6)	Napa County (6)
Zoecon Altosid Pellets	2724-375			
Zoecon Altosid Liquid Larvicide Mosquito Growth Regulator	2724-392			
Zoecon Altosid XR Entended Residual Briquets	2724-421			
Zoecon Altosid Liquid Larvicide Concentrate	2724-446			
Zoecon Altosid XR-G	2724-451			
Zoecon Altosid SBG Single Brood Granule	2724-489			
Petroleum Distillates				
Mosquito Larvicide GB-1111	8329-72	San Joaquin (6)	Greater LA (6)	Sac-Yolo (6)
BVA 2 Mosquito Larvicide Oil	70589-1			
BVA Spray 13	55206-2			
Monomolecular Films				
Agnique MMF Mosquito Larvicide & Pupicide	53263-28	Sac-Yolo (3)		
Agnique MMF G	53263-30	Owens Valley (3)	Coachella (6)	Coachella (6)
Spinosads				
Natular 2EC	8329-82	Coachella (6)	Greater LA (6)	Sac-Yolo (6)
Natular G	8329-80			
Natular XRG	8329-83			
Natular XRT	8329-84			

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The MRP does not require assessment of visual observations or physical measurement data. However, a review of the results suggests that (with one exception) there are no differences between background, event, and post-event samples that could not be explained by diurnal factors or subjective observations by different field personnel. There is nothing to demonstrate that results of the physical monitoring differ from the normal variability that would occur at sites with no applications. Moreover, many of the application and monitoring sites are in areas with public access and are therefore subject to impacts beyond the control of MVCAC member districts. This is particularly true of sites in urban settings.

## 2.2 Monitoring Activity in 2013

During 2013, the Coalition did not conduct chemical monitoring or perform visual, physical, and chemical testing reportable under the Vector Control Permit. Chemical monitoring and associated visual and physical monitoring were suspended due to ongoing negotiations with the SWRCB. These discussions were centered on the removal of the physical and chemical monitoring requirements in the permit. The SWRCB is currently proposing significant changes to the Vector Control Permit which have a direct impact on the monitoring component.

MVCAC member agencies also suspended visual monitoring due to high West Nile virus activity in 2013. This is consistent with the SWRCB notification letter of July 13, 2012 to

MVCAC that because visual monitoring requirements were “interfering with the need for maximal efficient application to adequately protect human health from vector-borne diseases like West Nile virus,” that the visual monitoring was no longer required by individual member districts. The member districts continued to follow the guidelines of its PAP.

### 2.3 Discussion

The Coalition was formed to gather data to better understand how the activities of MVCAC members and their application of pesticides affect the important goals of water quality. The initial concern regarding mosquito control products was the products used for adulticiding, as these products are designed to target mosquitoes in the air. Adulticides treat a specific area with the material drifting through an application zone, killing mosquitoes when they come in contact with the product. It is understood that some of the material, if applied over waterways, could come in contact with the water. In contrast to adulticides, larval control applications implemented by mosquito control districts are required by the Vector Control Permit to have visual and physical monitoring only (aside from temephos) due to the recognition that these products are highly specific to mosquito larvae and are widely accepted as excellent BMPs.

The physical and chemical monitoring results contained in the 2011-2012 report indicate that the active ingredient being sampled is rarely present in the waterway and/or the presence of the material in the waterway is of extremely short duration. Thus, there does not seem to be any significant long-term impact to the beneficial uses of the waters.

The Coalition’s 2011-2012 annual report provided the following conclusions:

- 1 out of 136 visual observations showed a difference between background and post-event samples;
- 108 physical monitoring samples showed no difference between background and post-event samples; and
- 6 out of 112 samples exceeded the receiving water monitoring limitation or triggers.

The report indicated that there was no significant impact to beneficial uses of receiving waters due to application of vector control pesticides in accordance with approved application rates. This is consistent with the primary mandate for vector control districts of protecting public health by reducing vector-borne diseases from mosquitos and other vectors.

During the same time period, the University of California Davis, Department of Environmental Toxicology conducted the toxicity study for the SWRCB (in 2011 and 2012). University of California Davis submitted the Draft General Pesticide Permit Toxicity Study Report to the SWRCB in December 2012. The draft report provided the following conclusions:

- 17 out of 106 (16 percent) samples were toxic, primarily due to dichlorvos which is a degradation by-product of the active ingredient naled;
- Other toxic samples could be due to the presence of other pyrethroids not used in vector control applications and piperonyl butoxide, which synergized pyrethroids already in the water or sediments;
- Chemical monitoring can be used in lieu of toxicity testing to determine compliance with the permit.

## **SECTION 2**

## **SUMMARY OF MONITORING DATA**

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- Although the toxicity study showed some toxicity resulted from vector control applications, the incidence of toxicity was found not to be significant.

For all the above reasons, further chemical testing is not likely to result in identification of any new information or any environmentally beneficial improvements to water quality and therefore chemical testing was not performed in 2013.



### 3.1 Vector Control Management Practices

MVCAC member agencies employ integrated pest management (IPM) and thus use of adulticides to control adult mosquitos is the method of control when it becomes necessary, such as in the event of a disease outbreak (documented presence of infectious virus in active host-seeking adult mosquitoes), or lack of access to larval sources leading to the emergence of large numbers of adult mosquitoes. First and foremost, MVCAC promotes education to prevent the formation of mosquito habitat. To that end, MVCAC encourages all public agencies to incorporate the California Department of Public Health BMPs in their planning and permitting documents and requirements. More than any other collective action that MVCAC could take; educating landowners about the simple, low-cost ways to prevent mosquito breeding habitats will have the greatest effects on disease prevention. This step alone has the greatest potential to reduce the need for adulticides. While MVCAC presses for introduction of these education and information tools throughout the state, its second level of protection is the use of physical and biological control tools to reduce the potential formation of mosquito breeding sites. Such steps include the use of water management practices, the removal of vegetation, and the introduction of predacious organisms such as mosquito fish to control the mosquito populations in their aquatic stage. Many districts conduct surveillance to ensure that they are targeting only those mosquitoes with the greatest impact to public health and this surveillance component helps drive control efforts. The third and fourth steps in the IPM process are chemical control of mosquitoes using larvicides and adulticides.

### 3.2 BMPs Currently in Use

Member districts of MVCAC implement the BMPs provided in their respective PAPs in meeting the requirements of the Vector Control Permit. MVCAC member agencies follow an IPM approach that strives to efficaciously use pesticides and minimize their impact on the environment while protecting public health. Each member agency determines what vector management methods are appropriate in their district, and follows response plans that use surveillance tools to determine the extent of the problem and guide treatment decisions, with an emphasis on source reduction and control of mosquitoes in their immature stages. The least toxic materials available for control of the larval stages, focusing on bacterial larvicides, growth regulators and surface films are used rather than organophosphates or pyrethroids. Control of adult mosquitoes may become necessary under some circumstances, such as in the event of a disease outbreak (documented presence of infectious virus in birds, human population or active host-seeking adult mosquitoes), or lack of access to larval sources leading to the emergence of large numbers of biting adult mosquitoes. Organophosphate insecticides (naled and malathion) are used in rotation with pyrethrins or pyrethroids to avoid the development of resistance. The active ingredients currently used for control of adult mosquitoes have been deliberately selected for lack of persistence and minimal effects on non-target organisms when applied at label rates for ultra-low volume mosquito control. All BMPs included in the product labels are followed and include such measures as restrictions in certain land uses and weather (i.e., wind speed) parameters. Additional information about specific BMPs by region can be found in member agency's PAPs.

**3.3 BMP Modifications**

Modifications to BMPs are handled by individual member districts on a district-by-district basis. Any modifications to BMPs can be found in respective member districts annual reports prepared as required by the Vector Control Permit. Pesticide application logs and site locations of the applications are also reported by the member districts in the district's annual report.

**3.4 Violations**

Individual member districts would report violations of the Vector Control Permit in the district's annual report. No adverse impacts were reported to the Coalition.

The Vector Control Permit contains provisions for reducing monitoring and reporting requirements, if certain conditions are met. On May 22, 2013, MVCAC requested a reduction of the monitoring requirements and SWRCB consideration of requirements that complement the vector control districts' public safety mission and that do not interfere with the timing of their critical pesticide applications.

On December 31, 2013, the SWRCB issued an amended draft MRP for the Vector Control Permit. Based on the 2011-2012 monitoring data, the SWRCB found that application of pesticides in accordance with approved application rates does not impact beneficial uses of receiving waters, continuation of the existing monitoring requirements provides redundant information, and that continuing the prior monitoring regime is unnecessary.

The SWRCB concluded that visual observations, monitoring and reporting of pesticide application rates, and reporting of non-compliant applications provide information that is equivalent to the existing monitoring and reporting requirements in determining compliance with the Vector Control Permit. Therefore, the visual, physical, and chemical monitoring would be replaced with reporting of visual observations, monitoring and reporting of application rates, and reporting of non-compliant applications.

MVCAC and member agencies are currently in the process of responding to the draft amendment to the Vector Control Permit MRP. This process should help finalize monitoring and reporting requirements for 2014.

**SECTION 4**

**SAMPLING RESULTS**