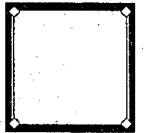




MERCED COUNTY MOSQUITO ABATEMENT DISTRICT

3478 Beachwood Drive • P.O. Box 909 • Merced, California 95341
209-722-1527 • 800-622-3242 • Fax: 209-722-3051

MEMBER



MVC
ASSOCIATION
OF CALIFORNIA

February 22, 2013

FEB 22 2013

Phil Isorena
State Water Resources Control Board
Division of Water Quality
P.O. Box 100
Sacramento, CA 95812-0100

RE: WDID# 5B24AP00002; Order # 2011-0002-DWQ; CAG 990004

Dear Mr. Isorena,

In accordance with the terms of the statewide general NPDES permit for biological and residual pesticide discharges to waters of the United States for vector control applications, please find the enclosed annual report from the Merced County Mosquito Abatement District. The annual report includes:

- a. Executive Summary
- b. Summary spray reports for the 2012 calendar year.
- c. Map of Merced County wetlands
- d. MVCAC Monitoring Log Sheets
- e. URS report of potential non-compliance from aerial PBO/pyrethrin application
- f. Annual Pesticide Use Reports

The above information will be submitted to the Central Valley Regional Water Quality Control Board Office.

Respectfully submitted,

Allan D. Inman
Manager-Entomologist

CC: Central Valley Regional Water Quality Control Board

Merced County MAD
WDID# 5B24AP00002
Order# 2011-0002-DWQ
CAG 990004

Annual Report

A. Executive Summary.

The Merced County Mosquito Abatement 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 MVCAC NPDES Permit Coalition and the Coalition conducted all required chemical and physical monitoring. The results of the Coalition's monitoring will be included in the Coalition Annual Report that will be sent separately to the SWRCB and Regional Boards.

The District made 344 applications treating 102,251 acres to waters of the U.S. or adjacent to WOTUS during the 2012 calendar year. The summary spray reports for 2012 are enclosed and are categorized either state owned wetlands (Source report 213) or privately owned wetlands (Source report 214). No applications were made to federal wetlands in 2012. The District performed visual monitoring of six aerial adulticiding applications. The visual monitoring performed by the District found that there were no observable changes in water quality between the background, event, and post event time periods. The SWRCB notified the permit holders in a letter to the MVCAC 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," that the visual monitoring was no longer required by individual Districts. The District will no longer be collecting visual monitoring data. The District continued to follow the guidelines of its Pesticide application Plan (PAP).

As previously stated, the District is a member of the MVCAC Monitoring Coalition. The MVCAC Coalition completed the physical and chemical monitoring required by the Vector Control Permit. As part of the MVCAC Coalition, the District was informed of a potential noncompliance resulting from an application of PBO/pyrethrin mixture where the 0.014 $\mu\text{g}/\text{L}$ for piperonyl butoxide was exceeded. The potential violation was reported to the SWRCB and the Central Valley Regional Water Quality Control Board within 24 hours of the District's notification and a five-day written report was submitted by URS within the necessary time frame (report attached). No adverse impacts were observed during the subsequent site visits. The aerial application in question utilized a "stacking technique" where the aircraft flies along the same line at different altitudes (e.g., 200', 250', 300', etc.). Winds aloft disperse the material downwind. The application utilized our single engine aircraft which does not have the \$50,000 Wingman GX guidance system measuring real time weather at altitude (our twin-engine aircraft is so equipped). Consequently, we have to monitor

weather from available weather stations and are not allowed to apply material if surface winds exceed 10 mph. Calm winds at the chemical release altitude are a rarity during mosquito season and probably caused the potential violation. If similar weather conditions exist during a future application our pilots have been instructed to change from a stacking technique to a swathing technique employing a 400' swath interval during application.

213 - State Wetlands

Acres Treated: 19,979.00

Spray Hours: 28.42

Materials: \$99,717.65

(46 detail records)

Zone 2 : Summary

Zone Acres Treated: 1,211.00

Spray Hours: 1.33

(4 detail records)

Materials: \$2,084.13

Zone 2 APN/Block/GutterTotals:	AcresTreated	SprayTime	Material Cost
102-0 - (1 detail record)	363.00	1:00	\$607.20

MaterialID Section:	AcresTreated	SprayTime	AmountUsed	Material Cost
316 Aquahalt (1 detail record)	363.00	1:00	276.00 oz	\$607.20

Employee Section:	AcresTreated	SprayTime	AmountUsed	Material Cost
Regert (1 detail record)	363.00	1:00	276.00	

SprayDate	SourceID	EquipmentID	AcresTreated	SprayTime	AmountUsed	Material Cost
9/25/2012	213	101	363.00	1:00	276.00	

Zone 2 APN/Block/GutterTotals:	AcresTreated	SprayTime	Material Cost
600-8 - (3 detail records)	848.00	0:20	\$1,476.93

MaterialID Section:	AcresTreated	SprayTime	AmountUsed	Material Cost
319 EverGreen 60-6 (3 detail records)	848.00	0:20	541.00 oz	\$1,476.93

Employee Section:	AcresTreated	SprayTime	AmountUsed	Material Cost
Priest (3 detail records)	848.00	0:20	541.00	

SprayDate	SourceID	EquipmentID	AcresTreated	SprayTime	AmountUsed	Material Cost
10/2/2012	213	108	291.00	0:05	186.00	
9/25/2012	213	108	218.00	0:05	139.00	
9/17/2012	213	108	339.00	0:10	216.00	

Zone 3 : Summary

Zone Acres Treated: 18,768.00

Spray Hours: 27.08

(42 detail records)

Materials: \$97,633.52

Zone 3 APN/Block/GutterTotals:	AcresTreated	SprayTime	Material Cost
070-160-001 (1 detail record)	560.00	0:35	\$1,971.20
MaterialID Section: (1 detail record)			<u>AmountUsed</u>
322 Vectobac 12-AS	560.00	0:35	560.00 pts \$1,971.20
<u>Employee Section:</u> (1 detail record)		<u>SprayTime</u>	
Cotta	560.00	0:35	560.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>			
10/11/2012 213 109	560.00	0:35	560.00
070-200-012 (6 detail records)	5096.00	6:11	\$24,683.18
MaterialID Section: (2 detail records)			<u>AmountUsed</u>
311 Altosid Liquid Concentrate 20%	1734.00	2:23	1,734.00 oz \$12,848.94
<u>Employee Section:</u> (1 detail record)		<u>SprayTime</u>	
Cotta	534.00	0:35	534.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>			
9/19/2012 213 109	534.00	0:35	534.00
<u>Employee Section:</u> (1 detail record)		<u>SprayTime</u>	
Hanson	1200.00	1:48	1,200.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>			
10/3/2012 213 109	1200.00	1:48	1,200.00
MaterialID Section: (4 detail records)			<u>AmountUsed</u>
322 Vectobac 12-AS	3362.00	3:48	3,362.00 pts \$11,834.24
<u>Employee Section:</u> (3 detail records)		<u>SprayTime</u>	
Cotta	2162.00	2:00	2,162.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>			
10/11/2012 213 109	560.00	0:40	560.00
9/26/2012 213 109	1068.00	0:45	1,068.00
9/19/2012 213 109	534.00	0:35	534.00
<u>Employee Section:</u> (1 detail record)		<u>SprayTime</u>	
Hanson	1200.00	1:48	1,200.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>			
10/3/2012 213 109	1200.00	1:48	1,200.00
070-202-012 (6 detail records)	1692.00	5:10	\$13,310.12
MaterialID Section: (2 detail records)			<u>AmountUsed</u>
311 Altosid Liquid Concentrate 20%	676.00	1:50	676.00 oz \$5,009.16
<u>Employee Section:</u> (1 detail record)		<u>SprayTime</u>	
Cotta	416.00	0:50	416.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>			
8/29/2012 213 109	416.00	0:50	416.00
<u>Employee Section:</u> (1 detail record)		<u>SprayTime</u>	
Hanson	260.00	1:00	260.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>			
8/22/2012 213 109	260.00	1:00	260.00
MaterialID Section: (2 detail records)			<u>AmountUsed</u>
344 Natular 2 EC	340.00	1:30	952.00 oz \$5,921.44
<u>Employee Section:</u> (1 detail record)		<u>SprayTime</u>	
Cotta	170.00	0:35	476.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>			

8/8/2012	213	109	170.00	0:35	476.00	
<u>Employee Section:</u>		(1 detail record)		<u>SprayTime</u>		
Hanson			170.00	0:55	476.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
8/15/2012	213	109	170.00	0:55	476.00	
<u>MaterialID Section:</u>		(2 detail records)			<u>AmountUsed</u>	
322	Vectobac 12-AS		676.00	1:50	676.00 pts	\$2,379.52
<u>Employee Section:</u>		(1 detail record)		<u>SprayTime</u>		
Cotta			416.00	0:50	416.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
8/29/2012	213	109	416.00	0:50	416.00	
<u>Employee Section:</u>		(1 detail record)		<u>SprayTime</u>		
Hanson			260.00	1:00	260.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
8/22/2012	213	109	260.00	1:00	260.00	

Zone 3	APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
	073-160-001	(4 detail records)	2210.00	2:30		\$10,132.85

<u>MaterialID Section:</u>		(2 detail records)			<u>AmountUsed</u>	
311	Altosid Liquid Concentrate 20%		1105.00	1:15	1,105.00 oz	\$8,188.05
<u>Employee Section:</u>		(2 detail records)		<u>SprayTime</u>		
Cotta			1105.00	1:15	1,105.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
9/12/2012	213	109	565.00	0:40	565.00	
9/5/2012	213	109	540.00	0:35	540.00	
<u>MaterialID Section:</u>		(2 detail records)			<u>AmountUsed</u>	
322	Vectobac 12-AS		1105.00	1:15	552.50 pts	\$1,944.80
<u>Employee Section:</u>		(2 detail records)		<u>SprayTime</u>		
Cotta			1105.00	1:15	552.50	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
9/12/2012	213	109	565.00	0:40	282.50	
9/5/2012	213	109	540.00	0:35	270.00	

Zone 3	APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
	454-010-016	(2 detail records)	76.00	0:20		\$415.34

<u>MaterialID Section:</u>		(1 detail record)			<u>AmountUsed</u>	
311	Altosid Liquid Concentrate 20%		38.00	0:10	38.00 oz	\$281.58
<u>Employee Section:</u>		(1 detail record)		<u>SprayTime</u>		
Cotta			38.00	0:10	38.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
8/29/2012	213	109	38.00	0:10	38.00	
<u>MaterialID Section:</u>		(1 detail record)			<u>AmountUsed</u>	
322	Vectobac 12-AS		38.00	0:10	38.00 pts	\$133.76
<u>Employee Section:</u>		(1 detail record)		<u>SprayTime</u>		
Cotta			38.00	0:10	38.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
8/29/2012	213	109	38.00	0:10	38.00	

Zone 3	APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
	454-130-012	(12 detail records)	5696.00	6:33		\$32,722.41

<u>MaterialID Section:</u>		(4 detail records)			<u>AmountUsed</u>	
311	Altosid Liquid Concentrate 20%		2051.00	2:09	2,051.00 oz	\$15,197.91
<u>Employee Section:</u>		(3 detail records)		<u>SprayTime</u>		
Cotta			1371.00	1:15	1,371.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
9/19/2012	213	109	432.00	0:15	432.00	

9/12/2012	213	109	457.00	0:30	457.00		
9/5/2012	213	109	482.00	0:30	482.00		
<u>Employee Section:</u>		(1 detail record)		<u>SprayTime</u>			
Hanson			680.00	0:54	680.00		
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>					
10/3/2012	213	109	680.00	0:54	680.00		
<u>MaterialID Section:</u>		(2 detail records)				<u>AmountUsed</u>	
344	Natular 2 EC		457.00	1:10		1,279.00 oz	\$7,955.38
<u>Employee Section:</u>		(1 detail record)		<u>SprayTime</u>			
Cotta			170.00	0:20	476.00		
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>					
8/8/2012	213	109	170.00	0:20	476.00		
<u>Employee Section:</u>		(1 detail record)		<u>SprayTime</u>			
Hanson			287.00	0:50	803.00		
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>					
8/15/2012	213	109	287.00	0:50	803.00		
<u>MaterialID Section:</u>		(6 detail records)				<u>AmountUsed</u>	
322	Vectobac 12-AS		3188.00	3:14		2,718.50 pts	\$9,569.12
<u>Employee Section:</u>		(5 detail records)		<u>SprayTime</u>			
Cotta			2508.00	2:20	2,038.50		
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>					
10/10/2012	213	109	560.00	0:45	560.00		
9/26/2012	213	109	577.00	0:20	577.00		
9/19/2012	213	109	432.00	0:15	432.00		
9/12/2012	213	109	457.00	0:30	228.50		
9/5/2012	213	109	482.00	0:30	241.00		
<u>Employee Section:</u>		(1 detail record)		<u>SprayTime</u>			
Hanson			680.00	0:54	680.00		
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>					
10/3/2012	213	109	680.00	0:54	680.00		
Zone 3 APN/Block/GutterTotals:			<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>	
454-132-012		(4 detail records)	1768.00	4:12		\$9,662.12	
<u>MaterialID Section:</u>		(2 detail records)				<u>AmountUsed</u>	
311	Altosid Liquid Concentrate 20%		884.00	2:06		884.00 oz	\$6,550.44
<u>Employee Section:</u>		(1 detail record)		<u>SprayTime</u>			
Cotta			534.00	1:00	534.00		
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>					
8/29/2012	213	109	534.00	1:00	534.00		
<u>Employee Section:</u>		(1 detail record)		<u>SprayTime</u>			
Hanson			350.00	1:06	350.00		
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>					
8/22/2012	213	109	350.00	1:06	350.00		
<u>MaterialID Section:</u>		(2 detail records)				<u>AmountUsed</u>	
322	Vectobac 12-AS		884.00	2:06		884.00 pts	\$3,111.68
<u>Employee Section:</u>		(1 detail record)		<u>SprayTime</u>			
Cotta			534.00	1:00	534.00		
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>					
8/29/2012	213	109	534.00	1:00	534.00		
<u>Employee Section:</u>		(1 detail record)		<u>SprayTime</u>			
Hanson			350.00	1:06	350.00		
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>					
8/22/2012	213	109	350.00	1:06	350.00		

Zone 3 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
454-200-008	(4 detail records)	652.00	1:05	\$2,956.34

MaterialID Section:	(1 detail record)			<u>AmountUsed</u>	
311 Altosid Liquid Concentrate 20%		170.00	0:20	170.00 oz	\$1,259.70

<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>		
Hanson		170.00	0:20	170.00	

<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/3/2012	213	109	170.00	0:20	170.00

MaterialID Section:	(3 detail records)			<u>AmountUsed</u>	
322 Vectobac 12-AS		482.00	0:45	482.00 pts	\$1,696.64

<u>Employee Section:</u>	(2 detail records)		<u>SprayTime</u>		
Cotta		312.00	0:25	312.00	

<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/12/2012	213	109	204.00	0:15	204.00
9/25/2012	213	109	108.00	0:10	108.00

<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>		
Hanson		170.00	0:20	170.00	

<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/3/2012	213	109	170.00	0:20	170.00

Zone 3 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
603-3 -	(3 detail records)	1018.00	0:29	\$1,779.96

MaterialID Section:	(3 detail records)			<u>AmountUsed</u>	
319 EverGreen 60-6		1018.00	0:29	652.00 oz	\$1,779.96

<u>Employee Section:</u>	(3 detail records)		<u>SprayTime</u>		
Priest		1018.00	0:29	652.00	

<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/2/2012	213	108	509.00	0:09	326.00
9/25/2012	213	108	291.00	0:10	186.00
9/19/2012	213	108	218.00	0:10	140.00

214 - Private Wetlands

(176 detail records)

Acres Treated: 82,272.05

Spray Hours: 49.60

Materials: \$240,199.09

Zone 2 : Summary

(54 detail records)

Zone Acres Treated: 30,732.05

Spray Hours: 17.07

Materials: \$75,197.98

Zone 2 APN/Block/GutterTotals:	AcresTreated	SprayTime	Material Cost
049-040-006 (1 detail record)	0.05	0:15	\$27.50
MaterialID Section: (1 detail record)			<u>AmountUsed</u>
313 Altosid Briquets 30 Day	0.05	0:15	25.00 ea \$27.50
<u>Employee Section:</u> (1 detail record)		<u>SprayTime</u>	
Regert	0.05	0:15	25.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>			
5/17/2012 214 104	0.05	0:15	25.00
Zone 2 APN/Block/GutterTotals:	AcresTreated	SprayTime	Material Cost
054-090-011 (1 detail record)	30.00	0:05	\$50.60
MaterialID Section: (1 detail record)			<u>AmountUsed</u>
316 Aquahalt	30.00	0:05	23.00 oz \$50.60
<u>Employee Section:</u> (1 detail record)		<u>SprayTime</u>	
Regert	30.00	0:05	23.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>			
7/12/2012 214 101	30.00	0:05	23.00
Zone 2 APN/Block/GutterTotals:	AcresTreated	SprayTime	Material Cost
055-290-003 (1 detail record)	30.00	0:05	\$50.60
MaterialID Section: (1 detail record)			<u>AmountUsed</u>
316 Aquahalt	30.00	0:05	23.00 oz \$50.60
<u>Employee Section:</u> (1 detail record)		<u>SprayTime</u>	
Regert	30.00	0:05	23.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>			
6/14/2012 214 101	30.00	0:05	23.00
Zone 2 APN/Block/GutterTotals:	AcresTreated	SprayTime	Material Cost
063-140-009 (12 detail records)	1556.00	2:24	\$7,131.84
MaterialID Section: (4 detail records)			<u>AmountUsed</u>
311 Altosid Liquid Concentrate 20%	448.00	0:35	448.00 oz \$3,319.68
<u>Employee Section:</u> (4 detail records)		<u>SprayTime</u>	
Cotta	448.00	0:35	448.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>			
9/25/2012 214 109	205.00	0:08	205.00
9/25/2012 214 109	125.00	0:07	125.00
9/18/2012 214 109	68.00	0:10	68.00
9/11/2012 214 109	50.00	0:10	50.00
MaterialID Section: (8 detail records)			<u>AmountUsed</u>
322 Vectobac 12-AS	1108.00	1:49	1,083.00 pts \$3,812.16
<u>Employee Section:</u> (6 detail records)		<u>SprayTime</u>	
Cotta	778.00	1:10	753.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>			
10/9/2012 214 109	125.00	0:15	125.00
10/9/2012 214 109	205.00	0:20	205.00
9/25/2012 214 109	205.00	0:08	205.00
9/25/2012 214 109	125.00	0:07	125.00
9/18/2012 214 109	68.00	0:10	68.00
9/11/2012 214 109	50.00	0:10	25.00

<u>Employee Section:</u>		(2 detail records)	<u>SprayTime</u>		
Hanson			330.00	0:39	330.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/5/2012	214	109	205.00	0:24	205.00
10/5/2012	214	109	125.00	0:15	125.00

Zone 2 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
063-150-001	(10 detail records)	5604.00	7:00	\$26,618.08

<u>MaterialID Section:</u>		(4 detail records)	<u>AmountUsed</u>		
311	Altosid Liquid Concentrate 20%	2064.00	2:00	2,064.00 oz	\$15,294.24
<u>Employee Section:</u>		(4 detail records)	<u>SprayTime</u>		
Cotta		2064.00	2:00	2,064.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
9/25/2012	214	109	738.00	0:25	738.00
9/18/2012	214	109	680.00	0:40	680.00
9/11/2012	214	109	600.00	0:30	600.00
9/5/2012	214	109	46.00	0:25	46.00

<u>MaterialID Section:</u>		(6 detail records)	<u>AmountUsed</u>		
322	Vectobac 12-AS	3540.00	5:00	3,217.00 pts	\$11,323.84
<u>Employee Section:</u>		(5 detail records)	<u>SprayTime</u>		
Cotta		2802.00	3:00	2,479.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/9/2012	214	109	738.00	1:00	738.00
9/25/2012	214	109	738.00	0:25	738.00
9/18/2012	214	109	680.00	0:40	680.00
9/11/2012	214	109	600.00	0:30	300.00
9/5/2012	214	109	46.00	0:25	23.00
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Hanson		738.00	2:00	738.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/5/2012	214	109	738.00	2:00	738.00

Zone 2 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
063-160-016	(2 detail records)	184.00	0:20	\$647.68

<u>MaterialID Section:</u>		(2 detail records)	<u>AmountUsed</u>		
322	Vectobac 12-AS	184.00	0:20	184.00 pts	\$647.68
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Cotta		52.00	0:05	52.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/9/2012	214	109	52.00	0:05	52.00
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Hanson		132.00	0:15	132.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/5/2012	214	109	132.00	0:15	132.00

Zone 2 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
102-0 -	(1 detail record)	363.00	1:00	\$607.20

<u>MaterialID Section:</u>		(1 detail record)	<u>AmountUsed</u>		
316	Aquahalt	363.00	1:00	276.00 oz	\$607.20
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Regert		363.00	1:00	276.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
7/2/2012	214	101	363.00	1:00	276.00

Zone 2 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
102-1 -	(3 detail records)	180.00	0:30	\$303.60

MaterialID Section:	(3 detail records)				<u>AmountUsed</u>	
316 Aquahalt		180.00	0:30		138.00 oz	\$303.60
<u>Employee Section:</u>	(3 detail records)		<u>SprayTime</u>			
Regert		180.00	0:30		138.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
6/27/2012	214	101	60.00	0:10	46.00	
6/14/2012	214	101	90.00	0:15	69.00	
6/14/2012	214	101	30.00	0:05	23.00	

Zone 2 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
102-2 -	(2 detail records)	241.00	0:40		\$404.80

MaterialID Section:	(2 detail records)				<u>AmountUsed</u>	
316 Aquahalt		241.00	0:40		184.00 oz	\$404.80
<u>Employee Section:</u>	(2 detail records)		<u>SprayTime</u>			
Regert		241.00	0:40		184.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
6/27/2012	214	101	60.00	0:10	46.00	
6/21/2012	214	101	181.00	0:30	138.00	

Zone 2 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
102-3 -	(1 detail record)	90.00	0:15		\$151.80

MaterialID Section:	(1 detail record)				<u>AmountUsed</u>	
316 Aquahalt		90.00	0:15		69.00 oz	\$151.80
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>			
Regert		90.00	0:15		69.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
7/2/2012	214	101	90.00	0:15	69.00	

Zone 2 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
102-4 -	(3 detail records)	300.00	0:50		\$503.80

MaterialID Section:	(3 detail records)				<u>AmountUsed</u>	
316 Aquahalt		300.00	0:50		229.00 oz	\$503.80
<u>Employee Section:</u>	(3 detail records)		<u>SprayTime</u>			
Regert		300.00	0:50		229.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
7/2/2012	214	101	90.00	0:15	69.00	
6/21/2012	214	101	150.00	0:25	115.00	
6/14/2012	214	101	60.00	0:10	45.00	

Zone 2 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
600-7 -	(5 detail records)	5206.00	1:25		\$9,088.17

MaterialID Section:	(5 detail records)				<u>AmountUsed</u>	
319 EverGreen 60-6		5206.00	1:25		3,329.00 oz	\$9,088.17
<u>Employee Section:</u>	(2 detail records)		<u>SprayTime</u>			
Cotta		3584.00	0:35		2,293.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
7/15/2012	214	107	1474.00	0:20	943.00	
6/15/2012	214	107	2110.00	0:15	1,350.00	
<u>Employee Section:</u>	(3 detail records)		<u>SprayTime</u>			
Priest		1622.00	0:50		1,036.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
9/17/2012	214	108	339.00	0:10	216.00	
9/10/2012	214	108	643.00	0:20	411.00	
6/7/2012	214	108	640.00	0:20	409.00	

Zone 2 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
600-8 -	(1 detail record)	1758.00	0:20		\$3,071.25

MaterialID Section:	(1 detail record)			<u>AmountUsed</u>	
319 EverGreen 60-6		1758.00	0:20	1,125.00 oz	\$3,071.25
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>		
Cotta		1758.00	0:20	1,125.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/17/2012	214	107	1758.00	0:20	1,125.00

Zone 2 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
600-9 -	(6 detail records)	8081.00	1:12		\$14,122.29

MaterialID Section:	(6 detail records)			<u>AmountUsed</u>	
319 EverGreen 60-6		8081.00	1:12	5,173.00 oz	\$14,122.29
<u>Employee Section:</u>	(3 detail records)		<u>SprayTime</u>		
Cotta		6493.00	0:35	4,156.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/10/2012	214	107	1818.00	0:10	1,164.00
10/8/2012	214	107	2000.00	0:10	1,280.00
6/28/2012	214	107	2675.00	0:15	1,712.00
<u>Employee Section:</u>	(3 detail records)		<u>SprayTime</u>		
Priest		1588.00	0:37	1,017.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/18/2012	214	108	655.00	0:13	420.00
10/2/2012	214	108	436.00	0:09	279.00
9/25/2012	214	108	497.00	0:15	318.00

Zone 2 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
601-0 -	(3 detail records)	2749.00	0:18		\$4,802.07

MaterialID Section:	(3 detail records)			<u>AmountUsed</u>	
319 EverGreen 60-6		2749.00	0:18	1,759.00 oz	\$4,802.07
<u>Employee Section:</u>	(2 detail records)		<u>SprayTime</u>		
Cotta		2361.00	0:10	1,511.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/30/2012	214	107	1452.00	0:05	929.00
10/8/2012	214	107	909.00	0:05	582.00
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>		
Priest		388.00	0:08	248.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/4/2012	214	108	388.00	0:08	248.00

Zone 2 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
606-2 -	(2 detail records)	4360.00	0:25		\$7,616.70

MaterialID Section:	(2 detail records)			<u>AmountUsed</u>	
319 EverGreen 60-6		4360.00	0:25	2,790.00 oz	\$7,616.70
<u>Employee Section:</u>	(2 detail records)		<u>SprayTime</u>		
Cotta		4360.00	0:25	2,790.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/30/2012	214	107	2178.00	0:10	1,394.00
10/10/2012	214	107	2182.00	0:15	1,396.00

Zone 3 : Summary

Zone Acres Treated: 51,540.00

Spray Hours: 32.53

(122 detail records)

Materials: \$165,001.11

Zone 3 APN/Block/GutterTotals:	AcresTreated	SprayTime	Material Cost
070-140-017 (1 detail record)	320.00	0:10	\$1,126.40

MaterialID Section:	AmountUsed
322 Vectobac 12-AS (1 detail record)	320.00 pts \$1,126.40
<u>Employee Section:</u> (1 detail record)	<u>SprayTime</u>
Cotta	320.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>	
9/25/2012 214 109	320.00 0:10 320.00

Zone 3 APN/Block/GutterTotals:	AcresTreated	SprayTime	Material Cost
070-140-027 (2 detail records)	215.00	0:18	\$756.80

MaterialID Section:	AmountUsed
322 Vectobac 12-AS (2 detail records)	215.00 pts \$756.80
<u>Employee Section:</u> (2 detail records)	<u>SprayTime</u>
Cotta	215.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>	
10/12/2012 214 109	55.00 0:10 55.00
9/25/2012 214 109	160.00 0:08 160.00

Zone 3 APN/Block/GutterTotals:	AcresTreated	SprayTime	Material Cost
070-150-011 (11 detail records)	6195.00	6:18	\$30,332.96

MaterialID Section:	AmountUsed
311 Altosid Liquid Concentrate 20% (4 detail records)	2,448.00 oz \$18,139.68
<u>Employee Section:</u> (4 detail records)	<u>SprayTime</u>
Cotta	2,448.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>	
9/25/2012 214 109	1068.00 0:55 1,068.00
9/19/2012 214 109	534.00 0:45 534.00
9/18/2012 214 109	280.00 0:15 280.00
9/11/2012 214 109	566.00 0:25 566.00
MaterialID Section: (7 detail records)	<u>AmountUsed</u>
322 Vectobac 12-AS	3,747.00 pts \$12,193.28
<u>Employee Section:</u> (7 detail records)	<u>SprayTime</u>
Cotta	3,747.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>	
10/11/2012 214 109	560.00 0:50 560.00
10/11/2012 214 109	560.00 0:40 560.00
9/25/2012 214 109	179.00 0:08 179.00
9/25/2012 214 109	1068.00 0:55 1,068.00
9/19/2012 214 109	534.00 0:45 534.00
9/18/2012 214 109	280.00 0:15 280.00
9/11/2012 214 109	566.00 0:25 283.00

Zone 3 APN/Block/GutterTotals:	AcresTreated	SprayTime	Material Cost
070-190-004 (4 detail records)	364.00	0:32	\$1,436.88

MaterialID Section:	AmountUsed
311 Altosid Liquid Concentrate 20% (1 detail record)	40.00 oz \$296.40
<u>Employee Section:</u> (1 detail record)	<u>SprayTime</u>
Cotta	40.00
<u>SprayDate</u> <u>SourceID</u> <u>EquipmentID</u>	
9/18/2012 214 109	40.00 0:05 40.00

MaterialID Section:	(3 detail records)				<u>AmountUsed</u>	
322 Vectobac 12-AS		324.00	0:27		324.00 pts	\$1,140.48
<u>Employee Section:</u>	(3 detail records)		<u>SprayTime</u>			
Cotta		324.00	0:27		324.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/12/2012	214	109		142.00	0:15	142.00
9/25/2012	214	109		142.00	0:07	142.00
9/18/2012	214	109		40.00	0:05	40.00

Zone 3 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
070-190-010	(2 detail records)	160.00	0:20		\$874.40

MaterialID Section:	(1 detail record)				<u>AmountUsed</u>	
311 Altosid Liquid Concentrate 20%		80.00	0:10		80.00 oz	\$592.80
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>			
Cotta		80.00	0:10		80.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
8/29/2012	214	109		80.00	0:10	80.00

MaterialID Section:	(1 detail record)				<u>AmountUsed</u>	
322 Vectobac 12-AS		80.00	0:10		80.00 pts	\$281.60
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>			
Cotta		80.00	0:10		80.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
8/29/2012	214	109		80.00	0:10	80.00

Zone 3 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
070-200-003	(2 detail records)	318.00	0:22		\$1,119.36

MaterialID Section:	(2 detail records)				<u>AmountUsed</u>	
322 Vectobac 12-AS		318.00	0:22		318.00 pts	\$1,119.36
<u>Employee Section:</u>	(2 detail records)		<u>SprayTime</u>			
Cotta		318.00	0:22		318.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/12/2012	214	109		159.00	0:15	159.00
9/25/2012	214	109		159.00	0:07	159.00

Zone 3 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
088-130-007	(4 detail records)	640.00	0:40		\$3,497.60

MaterialID Section:	(2 detail records)				<u>AmountUsed</u>	
311 Altosid Liquid Concentrate 20%		320.00	0:20		320.00 oz	\$2,371.20
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>			
Cotta		160.00	0:10		160.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
9/19/2012	214	109		160.00	0:10	160.00

<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>			
Hanson		160.00	0:10		160.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/3/2012	214	109		160.00	0:10	160.00

MaterialID Section:	(2 detail records)				<u>AmountUsed</u>	
322 Vectobac 12-AS		320.00	0:20		320.00 pts	\$1,126.40
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>			
Cotta		160.00	0:10		160.00	

<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
9/19/2012	214	109		160.00	0:10	160.00
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>			
Hanson		160.00	0:10		160.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/3/2012	214	109		160.00	0:10	160.00

Zone 3 APN/Block/GutterTotals:			AcresTreated	SprayTime	Material Cost
088-130-008 (3 detail records)			298.00	0:25	\$1,472.97
MaterialID Section:	(1 detail record)				<u>AmountUsed</u>
311 Altosid Liquid Concentrate 20%			109.00	0:10	109.00 oz \$807.69
<u>Employee Section:</u>	(1 detail record)			<u>SprayTime</u>	
Hanson			109.00	0:10	109.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/3/2012	214	109	109.00	0:10	109.00
MaterialID Section:	(2 detail records)				<u>AmountUsed</u>
322 Vectobac 12-AS			189.00	0:15	189.00 pts \$665.28
<u>Employee Section:</u>	(1 detail record)			<u>SprayTime</u>	
Cotta			80.00	0:05	80.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/12/2012	214	109	80.00	0:05	80.00
<u>Employee Section:</u>	(1 detail record)			<u>SprayTime</u>	
Hanson			109.00	0:10	109.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/3/2012	214	109	109.00	0:10	109.00
Zone 3 APN/Block/GutterTotals:			AcresTreated	SprayTime	Material Cost
088-130-009 (8 detail records)			1040.00	1:04	\$4,794.40
MaterialID Section:	(3 detail records)				<u>AmountUsed</u>
311 Altosid Liquid Concentrate 20%			400.00	0:25	400.00 oz \$2,964.00
<u>Employee Section:</u>	(2 detail records)			<u>SprayTime</u>	
Cotta			240.00	0:15	240.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
9/11/2012	214	109	80.00	0:05	80.00
9/4/2012	214	109	160.00	0:10	160.00
<u>Employee Section:</u>	(1 detail record)			<u>SprayTime</u>	
Hanson			160.00	0:10	160.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/3/2012	214	109	160.00	0:10	160.00
MaterialID Section:	(5 detail records)				<u>AmountUsed</u>
322 Vectobac 12-AS			640.00	0:39	520.00 pts \$1,830.40
<u>Employee Section:</u>	(4 detail records)			<u>SprayTime</u>	
Cotta			480.00	0:29	360.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/12/2012	214	109	160.00	0:10	160.00
9/26/2012	214	109	80.00	0:04	80.00
9/11/2012	214	109	80.00	0:05	40.00
9/4/2012	214	109	160.00	0:10	80.00
<u>Employee Section:</u>	(1 detail record)			<u>SprayTime</u>	
Hanson			160.00	0:10	160.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/3/2012	214	109	160.00	0:10	160.00
Zone 3 APN/Block/GutterTotals:			AcresTreated	SprayTime	Material Cost
088-130-011 (4 detail records)			1120.00	1:05	\$5,187.20
MaterialID Section:	(1 detail record)				<u>AmountUsed</u>
311 Altosid Liquid Concentrate 20%			320.00	0:20	320.00 oz \$2,371.20
<u>Employee Section:</u>	(1 detail record)			<u>SprayTime</u>	
Hanson			320.00	0:20	320.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/3/2012	214	109	320.00	0:20	320.00

MaterialID Section:	(3 detail records)				<u>AmountUsed</u>	
322 Vectobac 12-AS		800.00	0:45		800.00 pts	\$2,816.00
<u>Employee Section:</u>	(2 detail records)		<u>SprayTime</u>			
Cotta		480.00	0:25		480.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/12/2012	214	109	320.00	0:20	320.00	
9/26/2012	214	109	160.00	0:05	160.00	
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>			
Hanson		320.00	0:20		320.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/3/2012	214	109	320.00	0:20	320.00	

Zone 3 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
089-100-001	(2 detail records)	110.00	0:11		\$387.20

MaterialID Section:	(2 detail records)				<u>AmountUsed</u>	
322 Vectobac 12-AS		110.00	0:11		110.00 pts	\$387.20
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>			
Cotta		40.00	0:03		40.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
9/26/2012	214	109	40.00	0:03	40.00	
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>			
Hanson		70.00	0:08		70.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/5/2012	214	109	70.00	0:08	70.00	

Zone 3 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
089-100-002	(8 detail records)	576.00	1:18		\$2,565.62

MaterialID Section:	(3 detail records)				<u>AmountUsed</u>	
311 Altosid Liquid Concentrate 20%		170.00	0:28		170.00 oz	\$1,259.70
<u>Employee Section:</u>	(3 detail records)		<u>SprayTime</u>			
Cotta		170.00	0:28		170.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
9/19/2012	214	109	100.00	0:08	100.00	
9/12/2012	214	109	20.00	0:10	20.00	
9/4/2012	214	109	50.00	0:10	50.00	

MaterialID Section:	(5 detail records)				<u>AmountUsed</u>	
322 Vectobac 12-AS		406.00	0:50		371.00 pts	\$1,305.92
<u>Employee Section:</u>	(4 detail records)		<u>SprayTime</u>			
Cotta		270.00	0:33		235.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
9/26/2012	214	109	100.00	0:05	100.00	
9/19/2012	214	109	100.00	0:08	100.00	
9/12/2012	214	109	20.00	0:10	10.00	
9/4/2012	214	109	50.00	0:10	25.00	
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>			
Hanson		136.00	0:17		136.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/5/2012	214	109	136.00	0:17	136.00	

Zone 3 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>		<u>Material Cost</u>
089-100-006	(2 detail records)	135.00	0:18		\$475.20

MaterialID Section:	(2 detail records)				<u>AmountUsed</u>	
322 Vectobac 12-AS		135.00	0:18		135.00 pts	\$475.20

<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Cotta			45.00	0:06	45.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
9/26/2012	214	109	45.00	0:06	45.00
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Hanson			90.00	0:12	90.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/5/2012	214	109	90.00	0:12	90.00
Zone 3	APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
	089-100-007	(8 detail records)	1338.00	2:02	\$6,032.43
<u>MaterialID Section:</u>		(3 detail records)			<u>AmountUsed</u>
311	Altosid Liquid Concentrate 20%		383.00	0:32	383.00 oz \$2,838.03
<u>Employee Section:</u>		(3 detail records)	<u>SprayTime</u>		
Cotta			383.00	0:32	383.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
9/19/2012	214	109	288.00	0:12	288.00
9/12/2012	214	109	26.00	0:10	26.00
9/4/2012	214	109	69.00	0:10	69.00
<u>MaterialID Section:</u>		(5 detail records)			<u>AmountUsed</u>
322	Vectobac 12-AS		955.00	1:30	907.50 pts \$3,194.40
<u>Employee Section:</u>		(4 detail records)	<u>SprayTime</u>		
Cotta			623.00	0:40	575.50
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
9/26/2012	214	109	240.00	0:08	240.00
9/19/2012	214	109	288.00	0:12	288.00
9/12/2012	214	109	26.00	0:10	13.00
9/4/2012	214	109	69.00	0:10	34.50
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Hanson			332.00	0:50	332.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/5/2012	214	109	332.00	0:50	332.00
Zone 3	APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
	089-100-022	(2 detail records)	212.00	0:24	\$746.24
<u>MaterialID Section:</u>		(2 detail records)			<u>AmountUsed</u>
322	Vectobac 12-AS		212.00	0:24	212.00 pts \$746.24
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Cotta			70.00	0:04	70.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
9/26/2012	214	109	70.00	0:04	70.00
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Hanson			142.00	0:20	142.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/5/2012	214	109	142.00	0:20	142.00
Zone 3	APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
	089-100-044	(1 detail record)	99.00	0:12	\$348.48
<u>MaterialID Section:</u>		(1 detail record)			<u>AmountUsed</u>
322	Vectobac 12-AS		99.00	0:12	99.00 pts \$348.48
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Hanson			99.00	0:12	99.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/5/2012	214	109	99.00	0:12	99.00

Zone 3 APN/Block/GutterTotals:		AcresTreated	SprayTime	Material Cost
089-180-003 (6 detail records)		746.00	1:02	\$2,937.12
MaterialID Section:	(1 detail record)			<u>AmountUsed</u>
311 Altosid Liquid Concentrate 20%		80.00	0:05	80.00 oz \$592.80
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Cotta		80.00	0:05	80.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
9/19/2012	214	109	80.00	0:05 80.00
MaterialID Section:	(5 detail records)			<u>AmountUsed</u>
322 Vectobac 12-AS		666.00	0:57	666.00 pts \$2,344.32
<u>Employee Section:</u>	(3 detail records)		<u>SprayTime</u>	
Cotta		495.00	0:32	495.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/9/2012	214	109	252.00	0:20 252.00
9/26/2012	214	109	163.00	0:07 163.00
9/19/2012	214	109	80.00	0:05 80.00
<u>Employee Section:</u>	(2 detail records)		<u>SprayTime</u>	
Hanson		171.00	0:25	171.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/5/2012	214	109	71.00	0:10 71.00
10/4/2012	214	109	100.00	0:15 100.00
Zone 3 APN/Block/GutterTotals:		AcresTreated	SprayTime	Material Cost
089-180-013 (5 detail records)		3078.00	2:35	\$13,168.56
MaterialID Section:	(1 detail record)			<u>AmountUsed</u>
311 Altosid Liquid Concentrate 20%		600.00	0:20	600.00 oz \$4,446.00
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Cotta		600.00	0:20	600.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
9/19/2012	214	109	600.00	0:20 600.00
MaterialID Section:	(4 detail records)			<u>AmountUsed</u>
322 Vectobac 12-AS		2478.00	2:15	2,478.00 pts \$8,722.56
<u>Employee Section:</u>	(3 detail records)		<u>SprayTime</u>	
Cotta		1878.00	1:30	1,878.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/9/2012	214	109	868.00	1:00 868.00
9/26/2012	214	109	410.00	0:10 410.00
9/19/2012	214	109	600.00	0:20 600.00
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Hanson		600.00	0:45	600.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/4/2012	214	109	600.00	0:45 600.00
Zone 3 APN/Block/GutterTotals:		AcresTreated	SprayTime	Material Cost
089-180-025 (1 detail record)		60.00	0:06	\$211.20
MaterialID Section:	(1 detail record)			<u>AmountUsed</u>
322 Vectobac 12-AS		60.00	0:06	60.00 pts \$211.20
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Hanson		60.00	0:06	60.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/5/2012	214	109	60.00	0:06 60.00
Zone 3 APN/Block/GutterTotals:		AcresTreated	SprayTime	Material Cost
089-290-003 (1 detail record)		150.00	0:20	\$528.00
MaterialID Section:	(1 detail record)			<u>AmountUsed</u>
322 Vectobac 12-AS		150.00	0:20	150.00 pts \$528.00

<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Hanson			150.00	0:20	150.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/4/2012	214	109	150.00	0:20	150.00
Zone 3	APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
	089-290-017	(1 detail record)	50.00	0:10	\$176.00
<u>MaterialID Section:</u>		(1 detail record)			<u>AmountUsed</u>
322	Vectobac 12-AS		50.00	0:10	50.00 pts \$176.00
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Hanson			50.00	0:10	50.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/4/2012	214	109	50.00	0:10	50.00
Zone 3	APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
	454-130-016	(10 detail records)	5199.00	4:18	\$25,439.50
<u>MaterialID Section:</u>		(4 detail records)			<u>AmountUsed</u>
311	Altosid Liquid Concentrate 20%		2294.00	1:50	2,294.00 oz \$16,998.54
<u>Employee Section:</u>		(3 detail records)	<u>SprayTime</u>		
Cotta			1654.00	1:10	1,654.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
9/19/2012	214	109	640.00	0:25	640.00
9/11/2012	214	109	540.00	0:25	540.00
9/4/2012	214	109	474.00	0:20	474.00
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Hanson			640.00	0:40	640.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/3/2012	214	109	640.00	0:40	640.00
<u>MaterialID Section:</u>		(6 detail records)			<u>AmountUsed</u>
322	Vectobac 12-AS		2905.00	2:28	2,398.00 pts \$8,440.96
<u>Employee Section:</u>		(5 detail records)	<u>SprayTime</u>		
Cotta			2265.00	1:48	1,758.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/10/2012	214	109	400.00	0:30	400.00
9/26/2012	214	109	211.00	0:08	211.00
9/19/2012	214	109	640.00	0:25	640.00
9/11/2012	214	109	540.00	0:25	270.00
9/4/2012	214	109	474.00	0:20	237.00
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Hanson			640.00	0:40	640.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/3/2012	214	109	640.00	0:40	640.00
Zone 3	APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
	454-130-017	(2 detail records)	320.00	0:30	\$1,748.80
<u>MaterialID Section:</u>		(1 detail record)			<u>AmountUsed</u>
311	Altosid Liquid Concentrate 20%		160.00	0:15	160.00 oz \$1,185.60
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>		
Hanson			160.00	0:15	160.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>			
10/3/2012	214	109	160.00	0:15	160.00
<u>MaterialID Section:</u>		(1 detail record)			<u>AmountUsed</u>
322	Vectobac 12-AS		160.00	0:15	160.00 pts \$563.20

<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Hanson		160.00	0:15	160.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/3/2012	214	109	160.00	0:15
Zone 3 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
454-140-015	(4 detail records)	520.00	0:43	\$2,452.80
<u>MaterialID Section:</u>	(1 detail record)			<u>AmountUsed</u>
311 Altosid Liquid Concentrate 20%		160.00	0:15	160.00 oz \$1,185.60
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Hanson		160.00	0:15	160.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/3/2012	214	109	160.00	0:15
<u>MaterialID Section:</u>	(3 detail records)			<u>AmountUsed</u>
322 Vectobac 12-AS		360.00	0:28	360.00 pts \$1,267.20
<u>Employee Section:</u>	(2 detail records)		<u>SprayTime</u>	
Cotta		200.00	0:13	200.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/10/2012	214	109	160.00	0:10
9/26/2012	214	109	40.00	0:03
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Hanson		160.00	0:15	160.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/3/2012	214	109	160.00	0:15
Zone 3 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
454-140-016	(2 detail records)	320.00	0:30	\$1,748.80
<u>MaterialID Section:</u>	(1 detail record)			<u>AmountUsed</u>
311 Altosid Liquid Concentrate 20%		160.00	0:15	160.00 oz \$1,185.60
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Hanson		160.00	0:15	160.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/3/2012	214	109	160.00	0:15
<u>MaterialID Section:</u>	(1 detail record)			<u>AmountUsed</u>
322 Vectobac 12-AS		160.00	0:15	160.00 pts \$563.20
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Hanson		160.00	0:15	160.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/3/2012	214	109	160.00	0:15
Zone 3 APN/Block/GutterTotals:		<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>
454-150-001	(8 detail records)	2064.00	2:20	\$10,197.36
<u>MaterialID Section:</u>	(4 detail records)			<u>AmountUsed</u>
311 Altosid Liquid Concentrate 20%		1032.00	1:10	1,032.00 oz \$7,647.12
<u>Employee Section:</u>	(3 detail records)		<u>SprayTime</u>	
Cotta		883.00	0:55	883.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
9/19/2012	214	109	268.00	0:15
9/11/2012	214	109	300.00	0:20
9/4/2012	214	109	315.00	0:20
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Hanson		149.00	0:15	149.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/3/2012	214	109	149.00	0:15
<u>MaterialID Section:</u>	(4 detail records)			<u>AmountUsed</u>
322 Vectobac 12-AS		1032.00	1:10	724.50 pts \$2,550.24

<u>Employee Section:</u>		(3 detail records)	<u>SprayTime</u>			
Cotta			883.00	0:55	575.50	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
9/19/2012	214	109	268.00	0:15	268.00	
9/11/2012	214	109	300.00	0:20	150.00	
9/4/2012	214	109	315.00	0:20	157.50	
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>			
Hanson			149.00	0:15	149.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/3/2012	214	109	149.00	0:15	149.00	
Zone 3 APN/Block/GutterTotals:			<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>	
603-3 -			(6 detail records)	9888.00	1:12	\$17,278.17
<u>MaterialID Section:</u>		(6 detail records)			<u>AmountUsed</u>	
319	EverGreen 60-6		9888.00	1:12	6,329.00 oz \$17,278.17	
<u>Employee Section:</u>		(5 detail records)	<u>SprayTime</u>			
Cotta			9088.00	0:55	5,817.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/30/2012	214	107	1694.00	0:10	1,084.00	
10/17/2012	214	107	2303.00	0:10	1,474.00	
10/11/2012	214	107	2909.00	0:10	1,862.00	
10/8/2012	214	107	1455.00	0:20	931.00	
10/8/2012	214	107	727.00	0:05	466.00	
<u>Employee Section:</u>		(1 detail record)	<u>SprayTime</u>			
Priest			800.00	0:17	512.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/18/2012	214	108	800.00	0:17	512.00	
Zone 3 APN/Block/GutterTotals:			<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>	
603-4 -			(5 detail records)	6443.00	1:15	\$11,255.79
<u>MaterialID Section:</u>		(5 detail records)			<u>AmountUsed</u>	
319	EverGreen 60-6		6443.00	1:15	4,123.00 oz \$11,255.79	
<u>Employee Section:</u>		(2 detail records)	<u>SprayTime</u>			
Cotta			4310.00	0:30	2,758.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/9/2012	214	107	2727.00	0:15	1,745.00	
6/12/2012	214	107	1583.00	0:15	1,013.00	
<u>Employee Section:</u>		(3 detail records)	<u>SprayTime</u>			
Priest			2133.00	0:45	1,365.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/2/2012	214	108	727.00	0:15	465.00	
9/25/2012	214	108	582.00	0:15	373.00	
9/19/2012	214	108	824.00	0:15	527.00	
Zone 3 APN/Block/GutterTotals:			<u>AcresTreated</u>	<u>SprayTime</u>	<u>Material Cost</u>	
604-3 -			(2 detail records)	3271.00	0:30	\$5,716.62
<u>MaterialID Section:</u>		(2 detail records)			<u>AmountUsed</u>	
319	EverGreen 60-6		3271.00	0:30	2,094.00 oz \$5,716.62	
<u>Employee Section:</u>		(2 detail records)	<u>SprayTime</u>			
Cotta			3271.00	0:30	2,094.00	
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>				
10/30/2012	214	107	1331.00	0:10	852.00	
10/11/2012	214	107	1940.00	0:20	1,242.00	

Zone 3 APN/Block/GutterTotals:		AcresTreated	SprayTime	Material Cost
604-5 -	(2 detail records)	2425.00	0:27	\$4,236.96
MaterialID Section:	(2 detail records)			<u>AmountUsed</u>
319 EverGreen 60-6		2425.00	0:27	1,552.00 oz \$4,236.96
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Cotta		1698.00	0:10	1,087.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/17/2012	214	107	1698.00	0:10 1,087.00
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Priest		727.00	0:17	465.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/18/2012	214	108	727.00	0:17 465.00
Zone 3 APN/Block/GutterTotals:		AcresTreated	SprayTime	Material Cost
604-6 -	(1 detail record)	2364.00	0:25	\$4,127.76
MaterialID Section:	(1 detail record)			<u>AmountUsed</u>
319 EverGreen 60-6		2364.00	0:25	1,512.00 oz \$4,127.76
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Cotta		2364.00	0:25	1,512.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/9/2012	214	107	2364.00	0:25 1,512.00
Zone 3 APN/Block/GutterTotals:		AcresTreated	SprayTime	Material Cost
604-9 -	(1 detail record)	630.00	0:10	\$1,100.19
MaterialID Section:	(1 detail record)			<u>AmountUsed</u>
319 EverGreen 60-6		630.00	0:10	403.00 oz \$1,100.19
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Priest		630.00	0:10	403.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
9/19/2012	214	108	630.00	0:10 403.00
Zone 3 APN/Block/GutterTotals:		AcresTreated	SprayTime	Material Cost
605-0 -	(1 detail record)	872.00	0:20	\$1,523.34
MaterialID Section:	(1 detail record)			<u>AmountUsed</u>
319 EverGreen 60-6		872.00	0:20	558.00 oz \$1,523.34
<u>Employee Section:</u>	(1 detail record)		<u>SprayTime</u>	
Priest		872.00	0:20	558.00
<u>SprayDate</u>	<u>SourceID</u>	<u>EquipmentID</u>		
10/4/2012	214	108	872.00	0:20 558.00

Source	ID #
<u>Natural</u>	
Floodwater	210
Rainpools	211
Federal Wetlands	212
State Wetlands	213
Private Wetlands	214
Other	219
<u>Agricultural</u>	
Irrigated Pasture/Crops	220
Canals/Ditches	221
Dairy Drains or Sumps	222
Other	229
<u>Industrial</u>	
Sewage Lagoons	230
Cannery Waste	231
Other	239
<u>Domestic</u>	
Catch Basins/Gutters	240
Neglected Pools	248
Other	249
Weeds	250
Aerial Block Spray (unknown)	298
Service Request	299

BLOCK SPRAY #s	
Ground	1000 - 5999
Aerial	6000 - 8999
Gutters	9000 - 9999
#s Assigned by Bondi	

EQUIPMENT USED	ID #
Cold Fogger (Truck)	101
Hand Can/Backpack	102
Mist Blower (Truck)	103
Hand Toss Briquets/Fish	104
P-1 Hand Sprayer	105
Quad	115
Right Hand drive	117
Gator	116
Beechcraft	106
Aircraft/O2	107
Aircraft/Scout	108
Aircraft/Cessna	109

Discontinued	
Biosid	353
Malathion 8	316
Laginex AS	355
Altosid Liq Larvicide	310
Altosid XR Briquets	350
Altosid XR G	351
Pyronone 25-5	325
Abate 4E	331
Fyfanon ULV	354
Golden Bear 1111	315
Vectolex WSP	358

	MATERIALS USED		Calculation	Unit of
	ID M#	Description	Figure	Measure
Abate 5%	330	pellets	0.1	lbs
Agnique MMF	352		2.000	gal
Aquahalt	316		1.316	oz
Aqualeur 20-20	328		0.143	oz
Altosid Liq. Concentrate	311	20%	1.0	oz
Altosid Briquets	313	small briquets	0.002	#
Altosid Pellets	324		0.013	oz
Anvil 10 +10	397		1.61	oz
BVA-2	347		0.330	gal
Demand	335		0.029	oz
EverGreen 6-60	319	6%	1.563	oz
FourStar Briquet	370		0.002	#
Natular 2 EC	344		0.360	oz
Natular G	345		0.111	lbs
Natular XRG	346		0.100	lbs
Pyrethrin 60-12	318	12%	3.125	oz
Pyronyl 60-6 (Plane)	317	6%	1.563	oz
Roundup - Pro	320			oz
Talstar	336		0.023	oz
Vectobac GS	361		0.100	lbs
Vectobac 12-AS	322		2.000	pts
Vectobac WDG	360		2.270	lbs
Vectolex CG	356		0.100	lbs
Vectolex WDG	357		1.000	lbs
Vectomax CG	359		0.100	lbs
Zenivex E20	340		1.690	oz
Fish	398			#
Other - Testing	399			

Pyrenone 60-6 Spray - Active Ingredient				
Min utes	<u>5 mph</u>		<u>10 mph</u>	
	Sprayed	Oz. Acres	Oz. Acres	
0:05	9.500	15.15	19.000	30.30
0:10	18.938	30.30	37.876	60.60
0:15	28.406	45.45	56.812	90.90
0:30	56.813	90.90	113.626	181.80
1:00 hour	113.626	181.80	227.252	363.60

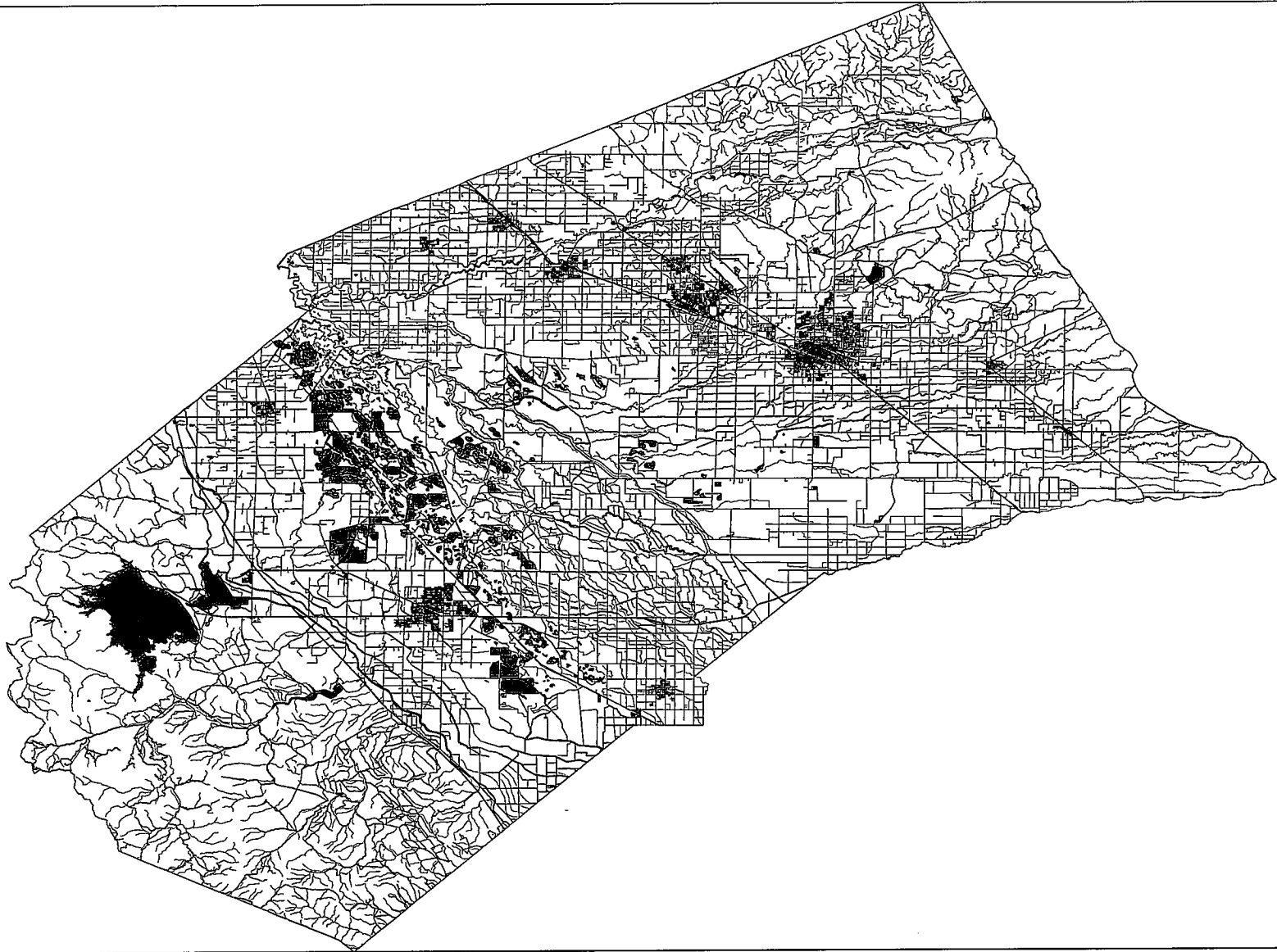
Pyrethrin 60-12 Spray - Active Ingredient				
Min utes	<u>5 mph</u>		<u>10 mph</u>	
	Sprayed	Oz. Acres	Oz. Acres	
0:05	5	15.15	10	30.30
0:10	10	30.30	20	60.60
0:15	15	45.45	30	90.90
0:30	30	90.90	60	181.80
1:00 hour	60	181.80	120	363.60

Aquahalt - Active Ingredient				
Min utes	<u>5 mph</u>		<u>10 mph</u>	
	Sprayed	Oz. Acres	Oz. Acres	
0:05	23	30.00
0:10	46	60.00
0:15	69	90.00
0:30	138	181.00
1:00 hour	276	363.00



Time Conversion Chart	
12hr Clock	24hr Clock
5:00 am	= 5:00
6:00 am	= 6:00
7:00 am	= 7:00
8:00 am	= 8:00
9:00 am	= 9:00
10:00 am	= 10:00
11:00 am	= 11:00
12:00 pm	= 12:00
1:00 pm	= 13:00
2:00 pm	= 14:00
3:00 pm	= 15:00
4:00 pm	= 16:00
5:00 pm	= 17:00
6:00 pm	= 18:00
7:00 pm	= 19:00
8:00 pm	= 20:00
9:00 pm	= 21:00
10:00 pm	= 22:00
11:00 pm	= 23:00
12:00 am	= 0:00

Calculation Figure x Amount Used = Acres Treated



MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency MERCED
 Name of applicator _____
 Date of application 9-12-12
 Location Buena Vista Dr X San Francisco St
(address, common name, crossroads, or coordinates) MERCED CA
 Name of water body Fahgens Creek

Type of water body (check one)
 Pond
 Lake
 Open waterway
 Channel
 Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 9-12-12
 Time 12:01
 Name(s) of personnel Jason Belkhen / Allan Inman
 Type of pesticide (check one)
 Larvicide. Product name: _____
 Adulticide. Product name: ~~Ethioniazox~~
Evergreen 6-60

Timing of monitoring (check one)
 Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions (check all that apply)
 Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot 86° F

Water color (check one)
 Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)
 Clear (can see bottom)
 Cloudy
 Murky

Present in water? (check all that apply)
 Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: _____

Field Measurement

Parameter	Result	Unit	Method of measurement
Water temperature	_____	°F	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Merced
 Name of applicator Ty Cotta
 Date of application 9-12-12
 Location Buenavista dr & San Francisco St
(address, common name, crossroads, or coordinates) Merced CA
 Name of water body Fahrsen Creek

Type of water body
 (check one)

- Pond
- Lake
- Open waterway
- Channel

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 9-13-12
 Time 11:51
 Name(s) of personnel Jaron Bakken

Type of pesticide (check one)

- Larvicide. Product name: _____
- Adulticide. Product name: Evergreen 6-60

Timing of monitoring (check one)

- Background (24 hours prior to application)
- Event (within 24 hours of application)
- Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions
 (check all that apply)

- Clear/sunny
- Cloud cover
 - Partly cloudy
 - Overcast
 - Hazy
- Precipitation
 - Foggy
 - Drizzle
 - Intermittent showers
 - Steady rain
 - Heavy storm
 - Snow
- Wind
 - Calm
 - Light breeze
 - Gusty
- Air temperature
 - Cool
 - Warm/mild
 - Hot

Water color (check one)

- Colorless
- Green
- Yellow
- Brown
- Other: _____

Water clarity (check one)

- Clear (can see bottom)
- Cloudy
- Murky

Present in water?

(check all that apply)

- Floating or suspended matter
 - Bottom deposits
 - Aquatic life
 - Water surface oils (check one if present)
 - Slick
 - Films
 - Sheen
 - Gloss
 - Flecks
 - Coatings
 - Other: _____
 - Fungi, slimes, or objectionable growths
 - Potential nuisance conditions
- Describe: _____

Field Measurement

Parameter	Result	Unit	Method of measurement
Water temperature	_____	°F	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency MERCED
 Name of applicator TY COTTA
 Date of application 9-12-12
 Location Buena Vista Dr X San Francisco St Merced CA
(address, common name, crossroads, or coordinates)

Name of water body Fahrens Creek

Type of water body (check one)
 Pond
 Lake
 Open waterway
 Channel

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 9-14-12
 Time 10:30
 Name(s) of personnel TASON BARKER

Type of pesticide (check one)
 Larvicide. Product name: _____
 Adulticide. Product name: Evergreen 6-60

Timing of monitoring (check one)
 Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Water Observation

Current weather conditions (check all that apply)
 Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)
 Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)
 Clear (can see bottom)
 Cloudy
 Murky

Present in water? (check all that apply)
 Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: _____

Field Measurements

Parameter	Result	Unit	Method of measurement	
Water temperature	_____	°F	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Merced MAD
 Name of applicator Ty Cotta / Curtis Priest
 Date of application 9-17-12
 Location China Island
(address, common name, crossroads, or coordinates)
 Name of water body Cell 29

Type of water body
 (check one) Dimensions, velocity, etc. (optional):

Pond _____
 Lake _____
 Open waterway _____
 Channel _____

Monitoring Information

Date of monitoring 9-17-12
 Time 15:00
 Name(s) of personnel Jason Bekken

Type of pesticide (check one)
 Larvicide. Product name: _____
 Adulticide. Product name: Evergreen 6-60

Timing of monitoring (check one)
 Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions
 (check all that apply)

Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy

Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow

Wind
 Calm
 Light breeze
 Gusty

Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)
 Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)
 Clear (can see bottom)
 Cloudy
 Murky

Present in water?
 (check all that apply)

Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____

Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: _____

Field Measurement

Parameter	Result	Unit	Method of measurement
Water temperature	_____	°F	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Merced MAD
 Name of applicator Ty Cotta / Curtis Priest
 Date of application 9-17-12
 Location China Island
(address, common name, crossroads, or coordinates)
 Name of water body cell 24

Type of water body
 (check one) Dimensions, velocity, etc. (optional):
 Pond _____
 Lake _____
 Open waterway _____
 Channel _____

Monitoring Information

Date of monitoring 9-18-12
 Time 15:30
 Name(s) of personnel Jason Bakker

Type of pesticide (check one)
 Larvicide. Product name: _____
 Adulticide. Product name: Eucyren 6-60

Timing of monitoring (check one)
 Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions
 (check all that apply)
 Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)
 Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)
 Clear (can see bottom)
 Cloudy
 Murky

Present in water?
 (check all that apply)
 Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: _____

Field Measurement

Parameter	Result	Unit	Method of measurement	
Water temperature	_____	°F	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Merced MAD
 Name of applicator Ty Cotta / Curtis Priest
 Date of application 9-17-12
 Location China Island
(address, common name, crossroads, or coordinates)
 Name of water body Cell 24

Type of water body (check one)
 Pond
 Lake
 Open waterway
 Channel

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 9-19-12
 Time 7:30
 Name(s) of personnel Jason Bakken

Type of pesticide (check one)
 Larvicide. Product name: _____
 Adulicide. Product name: Evergreen 6-60

Timing of monitoring (check one)
 Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Water Observation

Current weather conditions (check all that apply)
 Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)
 Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)
 Clear (can see bottom)
 Cloudy
 Murky

Present in water? (check all that apply)
 Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: _____

Field Measurement

Parameter	Result	Unit	Method of measurement
Water temperature	_____	°F	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Macedonia M&D
 Name of applicator ry Cotta / Curtis Priest
 Date of application 9-20-12
 Location Rth St & Bear Creek Dr
(address, common name, crossroads, or coordinates)
 Name of water body Bear Creek

Type of water body (check one)
 Pond
 Lake
 Open waterway
 Channel

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 9-20
 Time 17:00
 Name(s) of personnel Jason Bakken

Type of pesticide (check one)
 Larvicide. Product name: _____
 Adulticide. Product name: Etofen prox

Timing of monitoring (check one)
 Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Water Observation

Current weather conditions (check all that apply)
 Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)
 Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)
 Clear (can see bottom)
 Cloudy
 Murky

Present in water? (check all that apply)
 Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: Shopping carts

Field Measurements

Parameter	Result	Unit	Method of measurement
Water temperature	_____	°F	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Merced MAD
 Name of applicator Ty Colta / Curtis Priest
 Date of application 9-20-12
 Location Rt 99 St / Bear Creek
(address, common name, crossroads, or coordinates)

Name of water body Bear Creek

Type of water body (check one)
 Pond
 Lake
 Open waterway
 Channel

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 9-21-12
 Time 11:22
 Name(s) of personnel Susan Balken

Type of pesticide (check one)
 Larvicide. Product name: _____
 Adulticide. Product name: Etofenprox

Timing of monitoring (check one)
 Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions (check all that apply)
 Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)
 Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)
 Clear (can see bottom)
 Cloudy
 Murky

Present in water? (check all that apply)
 Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: Shopping carts

Field Measurement

Parameter	Result	Unit	Method of measurement	
Water temperature	_____	°F	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Revised Application Information

MVCAC member agency Merced MAD
 Name of applicator Ty Cotta / Curtis Priest
 Date of application 9-20
 Location Rth st & Bear Creek
(address, common name, crossroads, or coordinates)
 Name of water body Bear Creek

Type of water body (check one)
 Pond
 Lake
 Open waterway
 Channel

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 9-22-12
 Time 17:45
 Name(s) of personnel Jason Balken

Type of pesticide (check one)
 Larvicide. Product name: _____
 Adulticide. Product name: Etofen prox

Timing of monitoring (check one)
 Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions (check all that apply)
 Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)
 Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)
 Clear (can see bottom)
 Cloudy
 Murky

Present in water? (check all that apply)
 Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: _____

Water Parameters

Parameter	Result	Unit	Method of measurement	
Water temperature	_____	°F	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Mered MAAD
 Name of applicator Ty Colton / Curtis Priest
 Date of application 9-25-12
 Location Godwall
(address, common name, crossroads, or coordinates)
 Name of water body Cell 3/4

Type of water body (check one)
 Pond
 Lake
 Open waterway
 Channel

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 9-25-12
 Time 13:06
 Name(s) of personnel Jason Belkum

Type of pesticide (check one)
 Larvicide. Product name: _____
 Adjuvant. Product name: Evergreen 6-60

Timing of monitoring (check one)
 Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Water Observation

Current weather conditions (check all that apply)
 Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)
 Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)
 Clear (can see bottom)
 Cloudy
 Murky

Present in water? (check all that apply)
 Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: _____

Field Measurement

Parameter	Result	Unit	Method of measurement
Water temperature	_____	°F	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Merced MAD
 Name of applicator Ty Cotta/Curtis Priest
 Date of application 9-25-12
 Location Gradwell AS2 & Santa Fe
(address, common name, crossroads, or coordinates)
 Name of water body Cell 3/4

Type of water body
 (check one)

- Pond _____
- Lake _____
- Open waterway _____
- Channel _____

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 9-26-12
 Time 11:00
 Name(s) of personnel Jason Betcken

Type of pesticide (check one)

- Larvicide. Product name: _____
- Adulticide. Product name: Evergreen 6-60

Timing of monitoring (check one)

- Background (24 hours prior to application)
- Event (within 24 hours of application)
- Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions
 (check all that apply)

- Clear/sunny
- Cloud cover
 - Partly cloudy
 - Overcast
 - Hazy
- Precipitation
 - Foggy
 - Drizzle
 - Intermittent showers
 - Steady rain
 - Heavy storm
 - Snow
- Wind
 - Calm
 - Light breeze
 - Gusty
- Air temperature
 - Cool
 - Warm/mild
 - Hot

Water color (check one)

- Colorless
- Green
- Yellow
- Brown
- Other: _____

Water clarity (check one)

- Clear (can see bottom)
- Cloudy
- Murky

Present in water?

(check all that apply)

- Floating or suspended matter
 - Bottom deposits
 - Aquatic life
 - Water surface oils (check one if present)
 - Slick
 - Films
 - Sheen
 - Gloss
 - Flecks
 - Coatings
 - Other: _____
 - Fungi, slimes, or objectionable growths
 - Potential nuisance conditions
- Describe: _____

Field Measurement

Parameter	Result	Unit	Method of measurement	
Water temperature	_____	°F		<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Merced MWD
 Name of applicator Ty Lotta / Curtis Priest
 Date of application 9-25-12
 Location Goodwill
(address, common name, crossroads, or coordinates)
 Name of water body Cell 3/4

Type of water body (check one)
 Pond
 Lake
 Open waterway
 Channel

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 9-27-12
 Time 12:14
 Name(s) of personnel Jean Bakken

Type of pesticide (check one)
 Larvicide. Product name: _____
 Adulicide. Product name: Evergreen 6/60

Timing of monitoring (check one)
 Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions (check all that apply)
 Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)
 Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)
 Clear (can see bottom)
 Cloudy
 Murky

Present in water? (check all that apply)
 Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: _____

Field Measurement

Parameter	Result	Unit	Method of measurement	
Water temperature	_____	°F	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Merced MAD
 Name of applicator Ty Cotta / Curtis Priest
 Date of application 9-26-12
 Location El Portal & Parsons
(address, common name, crossroads, or coordinates)
 Name of water body Black Basca Creek

Type of water body (check one)
 Pond
 Lake
 Open waterway
 Channel

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 9-26-12
 Time 14:30
 Name(s) of personnel Jason Bakken

Type of pesticide (check one)
 Larvicide. Product name: _____
 Adulticide. Product name: Etofenprox

Timing of monitoring (check one)
 Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions (check all that apply)
 Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)
 Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)
 Clear (can see bottom)
 Cloudy
 Murky

Present in water? (check all that apply)
 Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: _____

Field Measurement

Parameter	Result	Unit	Method of measurement	
Water temperature	_____	°F	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Merced MAD
 Name of applicator 77 coffee / Curbs protest
 Date of application 9-26-12
 Location El Portal & Parsons
(address, common name, crossroads, or coordinates)
 Name of water body Black Rasal Creek

Type of water body
 (check one)

- Pond _____
 Lake _____
 Open waterway _____
 Channel _____

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 9-27-12
 Time 9:34
 Name(s) of personnel Jason Bekken

Type of pesticide (check one)

- Larvicide. Product name: _____
 Adulticide. Product name: Etofen prox

Timing of monitoring (check one)

- Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions
 (check all that apply)

- Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)

- Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)

- Clear (can see bottom)
 Cloudy
 Murky

Present in water?

(check all that apply)

- Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: _____

Field Measurement

Parameter	Result	Unit	Method of measurement
Water temperature	_____	°F	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Merced MWD
 Name of applicator 17 Cotton / Curtis Priest
 Date of application 9-26-12
 Location Black Raisin Creek
(address, common name, crossroads, or coordinates)
2100 rd & persons
 Name of water body Black Raisin Creek

Type of water body (check one)

- Pond
 Lake
 Open waterway
 Channel

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 9-28-12
 Time 9:56
 Name(s) of personnel Jovan Balcan

Type of pesticide (check one)

- Larvicide. Product name: _____
 Adjuvant. Product name: EthoPro

Timing of monitoring (check one)

- Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions (check all that apply)

- Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)

- Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)

- Clear (can see bottom)
 Cloudy
 Murky

Present in water?

(check all that apply)

- Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: _____

Field Measurements

Parameter	Result	Unit	Method of measurement
Water temperature	_____	°F	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Merced MAID
 Name of applicator ~~Cotton Dennis Hanson~~ / ^{for} ~~pest~~
 Date of application 10-2-12
 Location Gradual / 152nd Santa Fe
(address, common name, crossroads, or coordinates)

Name of water body _____

Type of water body (check one)

- Pond
- Lake
- Open waterway
- Channel

Dimensions, velocity, etc. (optional): _____

Monitoring Information

Date of monitoring 10-2-12
 Time 15:00
 Name(s) of personnel Jason Bakken

Type of pesticide (check one)

- Larvicide. Product name: _____
- Adulticide. Product name: Evergreen 6-60

Timing of monitoring (check one)

- Background (24 hours prior to application)
- Event (within 24 hours of application)
- Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions (check all that apply)

- Clear/sunny
- Cloud cover
 - Partly cloudy
 - Overcast
 - Hazy
- Precipitation
 - Foggy
 - Drizzle
 - Intermittent showers
 - Steady rain
 - Heavy storm
 - Snow
- Wind
 - Calm
 - Light breeze
 - Gusty
- Air temperature
 - Cool
 - Warm/mild
 - Hot

Water color (check one)

- Colorless
- Green
- Yellow
- Brown
- Other: _____

Water clarity (check one)

- Clear (can see bottom)
- Cloudy
- Murky

Present in water?

(check all that apply)

- Floating or suspended matter
 - Bottom deposits
 - Aquatic life
 - Water surface oils (check one if present)
 - Slick
 - Films
 - Sheen
 - Gloss
 - Flecks
 - Coatings
 - Other: _____
 - Fungi, slimes, or objectionable growths
 - Potential nuisance conditions
- Describe: _____

Field Measurement

Parameter	Result	Unit	Method of measurement	
Water temperature	_____	°F	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Mesa, AZ MAD
 Name of applicator 17 Cotta / Corbis project
 Date of application 10-2-12
 Location Gadwall 152 i San Lake
(address, common name, crossroads, or coordinates)
 Name of water body Pond 3/4

Type of water body (check one)
 Pond
 Lake
 Open waterway
 Channel

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 10-3
 Time 15:30
 Name(s) of personnel Jason Bellen

Type of pesticide (check one)
 Larvicide. Product name: _____
 Adulticide. Product name: Evergreen 6-60

Timing of monitoring (check one)
 Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions (check all that apply)
 Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)
 Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)
 Clear (can see bottom)
 Cloudy
 Murky

Present in water? (check all that apply)
 Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: _____

Field Measurement

Parameter	Result	Unit	Method of measurement
Water temperature	_____	°F	<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or <input type="checkbox"/> Field instrument. Model _____

MVCAC Monitoring Log Sheet

Pesticide Application Information

MVCAC member agency Merced MAD
 Name of applicator Dennis Hanson / Curly Priest
 Date of application 10-2-12
 Location Gradual / 152 x Santa Fe
(address, common name, crossroads, or coordinates)

Name of water body Pond 3/4

Type of water body (check one)
 Pond
 Lake
 Open waterway
 Channel

Dimensions, velocity, etc. (optional):

Monitoring Information

Date of monitoring 10-4-12
 Time 11:30
 Name(s) of personnel _____

Type of pesticide (check one)
 Larvicide. Product name: _____
 Adulticide. Product name: Evergreen 6-60

Timing of monitoring (check one)
 Background (24 hours prior to application)
 Event (within 24 hours of application)
 Post-event (within 1 week after project completion)

Visual Observation

Current weather conditions (check all that apply)
 Clear/sunny
 Cloud cover
 Partly cloudy
 Overcast
 Hazy
 Precipitation
 Foggy
 Drizzle
 Intermittent showers
 Steady rain
 Heavy storm
 Snow
 Wind
 Calm
 Light breeze
 Gusty
 Air temperature
 Cool
 Warm/mild
 Hot

Water color (check one)
 Colorless
 Green
 Yellow
 Brown
 Other: _____

Water clarity (check one)
 Clear (can see bottom)
 Cloudy
 Murky

Present in water? (check all that apply)
 Floating or suspended matter
 Bottom deposits
 Aquatic life
 Water surface oils (check one if present)
 Slick
 Films
 Sheen
 Gloss
 Flecks
 Coatings
 Other: _____
 Fungi, slimes, or objectionable growths
 Potential nuisance conditions
 Describe: _____

Field Measurement

Parameter	Result	Unit	Method of measurement	
Water temperature	_____	°F		<input type="checkbox"/> Field instrument. Model _____
Electrical conductivity (EC)	_____	µmhos/cm	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Dissolved oxygen (DO)	_____	mg/L	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
pH	_____		<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____
Turbidity	_____	NTU	<input type="checkbox"/> Sent to lab, or	<input type="checkbox"/> Field instrument. Model _____



November 21, 2012

State Water Resources Control Board
Attn: Phil Isorena
P.O. Box 100
Sacramento, CA 95812-0100

Central Valley Regional Water Quality Control Board
Attn: Warren W. Gross
1685 "E" Street
Fresno, CA 93706

Central Valley Regional Water Quality Control Board
Attn: Matt Scroggins
1685 "E" Street
Fresno, CA 93706

Re: Five-Day Written Report, NPDES Vector Control Permit (Water Quality Order No. 2011-0002-DWQ)

This letter contains the Five-Day Written Report required by the National Pollutant Discharge Elimination system (NPDES) Vector Control Permit (Water Quality Order No. 2011-0002-DWQ). A Twenty-Four Hour Report was submitted via email on November 20, 2012. Information from the Twenty-Four Hour Report is included in Section ii below.

The following sections are organized according to Section IX.C.3.b of the NPDES Vector Control Permit:

- i. *Date and time the Discharger contacted the State Water Board and the appropriate Regional Water Board notifying of the noncompliance and any instructions received from the Regional Water Board;*

On November 20, 2012 at 10:45 AM, URS submitted an email notifying the State and Regional Water Boards of a potential noncompliance resulting from an application of a PBO/pyrethrin mixture by the Merced County Mosquito Abatement District (MCMAD). This email was considered the Twenty-Four Hour Report. No instructions were received from either agency.

- ii. *Information required to be provided in Section C.3.a above;*

The information below, required by Section IX.C.3.a of the permit, was submitted via email to the State and Regional Water Boards:

URS Corporation
1333 Broadway, Suite 800
Oakland, CA 94612-1924
Tel: 510.893-3600
Fax: 510.874.3268
www.urscorp.com

-
- i. The caller's name and telephone number; ***Bonnie de Berry 510/874-3053***
 - ii. Applicator name and mailing address; ***Merced County Mosquito Abatement District, Attn: Allan Inman, PO Box 909, Merced, CA 95341. The pilot's name is Curtis Priest***
 - iii. WDID number; ***5B24AP00002***
 - iv. The name and telephone number of a contact person, if different than the person providing the 24-hour notice; ***Allan Inman 209/722-1527***
 - v. How and when the Discharger become aware of the noncompliance; ***Laboratory report from MVCAC Coalition Monitoring Program was received showing PBO concentration in a PBO/pyrethrin mixture that exceeds the 0.014 ug/L Instantaneous Maximum Monitoring Trigger.***
 - vi. Description of the location of the noncompliance; ***Approximately 727 acres of a wetland complex referred to as the South Grasslands wetlands (located near Los Banos, CA) were sprayed with EverGreen 6-60 the evening of October 2, 2012 via an aerial mounted sprayer in a single stacked formation. The spray route in the vicinity of the wetlands was approximately 15 linear miles.***
 - vii. Description of the noncompliance identified and the U.S. EPA pesticide registration number for each product the Discharger applied in the area of the noncompliance; ***A PBO/pyrethrin (EverGreen 6-60 – EPA Reg. No. 1021-1770) application event was conducted the evening of 10/2/12. This event was targeted for monitoring by the MVCAC Coalition Monitoring Program and the SWRCB-funded Pilot Study. Background samples (time period - T0) were collected from three wetland locations (NG1, NG2, and NG3) between 3 and 5 pm on 10/2/12, approximately 4 hours prior to the application which occurred at 7 pm on 10/2/12. Event samples (time period - T24) were collected between 4 and 5 pm on 10/3/12, approximately 20 hours after the application. Samples were analyzed by Caltest Analytical Laboratory in Napa, CA. The laboratory report shows PBO concentrations that exceed the Instantaneous Maximum Monitoring Trigger of 0.014 ug/L for PBO in PBO/pyrethrin mixtures. Please note that one of the stations (NG1) also had PBO concentrations exceeding the trigger in the background (T0) sample. Pyrethrin was not detected in any of the samples.***

Sample ID	Date/Time	Time Period	Pyrethrins (ug/L)	PBO (ug/L)
NG1_W_A	10/2/12 16:35	T0 - Background	Non detect	0.1
NG1_W_C	10/3/12 16:40	T24 - Event	Non detect	0.2
NG2_W_A	10/2/12 16:00	T0 - Background	Non detect	Non detect
NG2_W_C	10/3/12 16:10	T24 - Event	Non detect	0.2
NG3_W_A	10/2/12 15:10	T0 - Background	Non detect	0.01
NG3_W_C	10/3/12 15:50	T24 - Event	Non detect	0.2

viii. Description of any steps the Discharger has taken or will take to correct, repair, remedy, cleanup, or otherwise address any adverse effects. **No adverse effects have been seen. Wildlife (such as waterfowl) were present in the wetlands during the event site visit. Winds were noted as "calm" immediately after the application event and may have resulted in lower dispersal of the product than anticipated. Applications during calm wind conditions will no longer be made.**

iii. *A description of the noncompliance and its cause, including exact date and time and species affected, estimated number of individual and approximate size of dead or distressed organisms (other than the target species);*

The noncompliance is an exceedance of the PBO Instantaneous Maximum Monitoring Trigger of 0.014 ug/L for PBO in PBO/pyrethrin mixtures as measured in samples collected within 24 hours after application of EverGreen 6-60. At one of the three stations, PBO concentrations also exceeded the Trigger in the pre-application background sample. No species or other adverse impacts were observed during the background or event site visits on 10/2/12 and 10/3/12.

iv. *Location of incident, including the names of any waters affected and appearance of those waters (sheen, color, clarity, etc);*

The vector control application that may have caused the noncompliance targeted approximately 727 acres of wetlands and duck ponds located southeast of Los Banos in an area referred to as the South Grasslands and the Gadwall Unit. The targeted area is centered around 37.0403°, -120.7734°. The wetlands are fed by state and federal water projects and drain north to Mud Slough which ultimately flows to the San Joaquin River.

The following field observations were noted:

Station	Date/Time	Time Period	Surface Oils	Color	Clarity
NG1	10/2/12 16:35	T0 - Background	None	Green	Murky
NG1	10/3/12 16:40	T24 - Event	None	green	Clear
NG2	10/2/12 16:00	T0 - Background	None	Green	Murky
NG2	10/3/12 16:10	T24 - Event	None	Green	Clear
NG3	10/2/12 15:10	T0 - Background	Surface film	Brown	cloudy
NG3	10/3/12 15:50	T24 - Event	none	Green	Clear

- v. *Magnitude and scope of the affected area (e.g. aquatic square area or total stream distance affected);*

The Gadwall Unit is approximately 727 acres. No species or other adverse impacts were observed during the background or event site visits on 10/2/12 and 10/3/12.

- vi. *Pesticide application rate, intended use site (e.g., banks, above, or direct to water), method of application, and name of pesticide product, description of pesticide ingredients, and U.S. EPA registration number;*

EverGreen 6-60 (EPA Reg. No. 1021-1770) was applied above ground and water by aircraft at a rate of 0.64 ounces per acre. The active ingredients in EverGreen 6-60 are pyrethrin and PBO.

- vii. *Description of the habitat and the circumstances under which the noncompliance activity occurred including any available data on ambient water, which is water in the immediate surrounding area, for pesticides applied;*

The target area contains man-made duck club ponds and wetlands primarily used to establish habitat suitable for ducks and other wild fowl game species.

The following physical measurements were recorded:

Station	Time Period	Temp (C)	SC (uS/cm)	DO (mg/L)	pH	Turbidity (NTU)
NG1	T0 - Background	30.9	959	3.66	6.07	NA
NG1	T24 - Event	27.8	874	8.55	7.34	13.8
NG2	T0 - Background	27.9	920	18.7	6.24	NA
NG2	T24 - Event	28.8	884	14.04	8.41	3.16
NG3	T0 - Background	29.7	990	12.5	6.87	NA
NG3	T24 - Event	28.3	897	12.1	8.19	4.88



- viii. *Laboratory tests performed, if any, and timing of tests. Provide a summary of the test results within five days after they become available;*

Laboratory results were reported in the 24-Hour Report which is included in Section ii., above.

- ix. *If applicable, explain why the Discharger believes the noncompliance could not have been caused by exposure to the pesticide from the Discharger's application; and*

Not applicable.

- x. *Actions to be taken to prevent recurrence of adverse incidents.*

The Merced County Mosquito Abatement District will review toxicity sampling conducted before and after this PBO/pyrethrin application by the Pilot Study. Winds were noted as "calm" immediately after the application event and may have resulted in less dispersal of the product than anticipated. Applications during calm wind conditions will no longer be made. MCMAD will consider alternative vector control methods once all the facts are available.

Sincerely,

URS CORPORATION

Bonnie de Berry
Project Manager

cc: Gary Goodman, Sacramento-Yolo Mosquito and Vector Control District
Catherine Smith, MVCAC

MONTHLY SUMMARY PESTICIDE USE REPORT

PR-ENF-060 (Rev. 1/92)

INSTRUCTIONS FOR COMPLETING THIS FORM ARE INDICATED BELOW AND ON THE REVERSE SIDE

OPERATOR (FIRM NAME) Merced County MAD		ADDRESS P.O. Box 909		CITY Merced	ZIP 95341	PHONE NUMBER (209)722-1527
OPERATOR IDENTIFICATION/PERMIT NUMBER 24-12-24-VC-037	LICENSE NUMBER	COUNTY(WHERE APPLIED) Merced	COUNTY NUMBER 24	MONTH/YEAR OF USE January 2012	TOTAL NUMBER OF APPLICATIONS 0	

1. Complete Columns A, B, C, and D for All Users

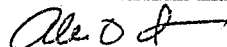
2. Complete Column E by Using One of the Following Codes

- Code 10 - Structural Pest Controlincludes any pest control work performed within or on buildings and other structures
- Code 30 - Landscape Maintenance Pest Controlincludes any pest control work performed on landscape plantings around residences, or toehr building, golf coursesm oarjsm cebetaruesm etc.
- Code 40 - Right-of-Way Pest Controlincludes any pest control work performed along roadsides, pwerlines, media strips, ditch banks and similar
- Code 50 - Public Health Pest Controlincludes any pest control work performed by or under contract with Stqte of local public health or vector control agencies
- Code 80 - Vertebrate Pest Controlincludes any vertebrate pest control work performed by public agencies for work under the supervision of the State or county agricultural commissioner
- Code 91 - Commodity Fumigation (Nonfood/Nonfeed)includes funigation of nonfood/nonfeed commodities such as: pallets, dunnage, furniture, burlap bags, etc.
- Code 100 - Regulatory Pest Control.....includes any pest control work performed by public employees or contractors in the control of regulated pest.

3. Complete Column F and G, if Use Does not Fit one other Above Codes

A	B	C	D	E	F	G
MANUFACTURER AND NAME OF PRODUCT APPLIED	EPA/CALIFORNIA REGISTRATION NUMBER FROM LABEL INCLUDE ALPHA CODE	TOTAL PRODUCT USED (Circle One Unit of Measure)	NUMBER OF APPLICATIONS	CODE	COMMODITY OR SITE TREATED	ACRES/UNITS TREATED
		0.0000	0	50		

REPORT PREPARED BY



DATE

2/15/2012

MONTHLY SUMMARY PESTICIDE USE REPORT

PR-ENF-060 (rev. 4/92)

INSTRUCTIONS FOR COMPLETING THIS FORM ARE INDICATED BELOW AND ON THE REVERSE SIDE

OPERATOR (FIRM NAME) Merced County MAD		ADDRESS P.O. Box 909		CITY Merced	ZIP 95341	PHONE NUMBER (209)722-1527
OPERATOR IDENTIFICATION/PERMIT NUMBER 24-12-24-VC-037	LICENSE NUMBER	COUNTY(WHERE APPLIED) Merced	COUNTY NUMBER 24	MONTH/YEAR OF USE February 2012	TOTAL NUMBER OF APPLICATIONS 0	

1. Complete Columns A, B, C, and D for All Users

2. Complete Column E by Using One of the Following Codes

- Code 10 - Structural Pest Controlincludes any pest control work performed within or on buildings and other structures
- Code 30 - Landscape Maintenance Pest Controlincludes any pest control work performed on landscape plantings around residences, or toehr building, golf coursesm oarjsm cebetaruesm etc.
- Code 40 - Right-of-Way Pest Controlincludes any pest control work performed along roadsides, pwerlines, media strips, ditch banks and similar
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- Code 100 - Regulatory Pest Control.....includes any pest control work performed by public employees or contractors in the control of regulated pest.

3. Complete Column F and G, if Use Does not Fit one other Above Codes

A	B	C	D	E	F	G
MANUFACTURER AND NAME OF PRODUCT APPLIED	EPA/CALIFORNIA REGISTRATION NUMBER FROM LABEL INCLUDE ALPHA CODE	TOTAL PRODUCT USED (Circle One Unit of Measure)	NUMBER OF APPLICATIONS	CODE	COMMODITY OR SITE TREATED	ACRES/UNITS TREATED
		0.0000	0	50		

REPORT PREPARED BY

Al D. A

DATE

3/7/2012

MONTHLY SUMMARY PESTICIDE USE REPORT

PESTICIDE ENFORCEMENT BRANCH

PR-ENF-060, (4/92)

INSTRUCTIONS FOR COMPLETING THIS FORM ARE INDICATED BELOW AND ON THE REVERSE SIDE

OPERATOR (FIRM NAME) Merced County MAD		ADDRESS P.O. Box 909		CITY Merced	ZIP 95341	PHONE NUMBER (209)722-1527
OPERATOR IDENTIFICATION/PERMIT NUMBER 24-12-24-VC-037	LICENSE NUMBER	COUNTY(WHERE APPLIED) Merced	COUNTY NUMBER 24	MONTH/YEAR OF USE March 2012	TOTAL NUMBER OF APPLICATIONS 0	

1. Complete Columns A, B, C, and D for All Users

2. Complete Column E by Using One of the Following Codes

- Code 10 - Structural Pest Controlincludes any pest control work performed within or on buildings and other structures
- Code 30 - Landscape Maintenance Pest Controlincludes any pest control work performed on landscape plantings around residences, or toehr building, golf coursesm oarjsm cebetaruesm etc.
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A	B	C	D	E	F	G
MANUFACTURER AND NAME OF PRODUCT APPLIED	EPA/CALIFORNIA REGISTRATION NUMBER FROM LABEL INCLUDE ALPHA CODE	TOTAL PRODUCT USED (Circle One Unit of Measure)	NUMBER OF APPLICATIONS	CODE	COMMODITY OR SITE TREATED	ACRES/UNITS TREATED
		0.0000	0	50		

REPORT PREPARED BY

Alfred J. Ar

DATE

4/9/2012

MONTHLY SUMMARY PESTICIDE USE REPORT

PR-ENF-060 (REV 4/92)

INSTRUCTIONS FOR COMPLETING THIS FORM ARE INDICATED BELOW AND ON THE REVERSE SIDE

OPERATOR (FIRM NAME) Merced County MAD		ADDRESS P.O. Box 909		CITY Merced	ZIP 95341	PHONE NUMBER (209)722-1527
OPERATOR IDENTIFICATION/PERMIT NUMBER 24-12-24-VC-037	LICENSE NUMBER	COUNTY (WHERE APPLIED) Merced	COUNTY NUMBER 24	MONTH/YEAR OF USE April 2012	TOTAL NUMBER OF APPLICATIONS 119	

- Complete Columns A, B, C, and D for All Users
- Complete Column E by Using One of the Following Codes
 - Code 10 - Structural Pest Controlincludes any pest control work performed within or on buildings and other structures
 - Code 30 - Landscape Maintenance Pest Controlincludes any pest control work performed on landscape plantings around residences, or toehr building, golf coursesm oarjsm cebetaruesm etc.
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3. Complete Column F and G, If Use Does not Fit one other Above Codes

A	B	C	D	E	F	G
MANUFACTURER AND NAME OF PRODUCT APPLIED	EPA/CALIFORNIA REGISTRATION NUMBER FROM LABEL INCLUDE ALPHA-CODE	TOTAL PRODUCT USED (Circle One Unit of Measure)	NUMBER OF APPLICATIONS	CODE	COMMODITY OR SITE TREATED	ACRES/UNITS TREATED
Cognis Agnique MMF	53263-28	0.5400 gal	3	50		
Zoecon Altosid Briquets 30 Day	2724-375	4.5458 lbs	28	50		
Zoecon Altosid Liquid Concentrate 20%	2724-446	0.4668 gal	1	50		
Zoecon Altosid Pellets	2724-448	12.8544 lbs	8	50		
AHPro Vector Group Aqualeur 20-20	769-985	1.0748 gal	10	50		
BVA Oils BVA-2	70589-1	137.0000 gal	45	50		
FourStar Microbials FourStar Briquets	83362-3	3.6250 lbs	23	50		
Monsanto Roundup-Pro	524-475	0.3120 gal	1	50		

REPORT PREPARED BY

[Signature]

DATE

5/9/2012

MONTI Y SUMMARY PESTICIDE USE REPORT

PR-ENF-060(Rev. 4/92)

INSTRUCTIONS FOR COMPLETING THIS FORM ARE INDICATED BELOW AND ON THE REVERSE SIDE

OPERATOR (FIRM NAME) Merced County MAD		ADDRESS P.O. Box 909		CITY Merced	ZIP 95341	PHONE NUMBER (209)722-1527
OPERATOR IDENTIFICATION/PERMIT NUMBER 24-12-24-VC-037	LICENSE NUMBER	COUNTY(WHERE APPLIED) Merced	COUNTY NUMBER 24	MONTH/YEAR OF USE May 2012	TOTAL NUMBER OF APPLICATIONS 419	

1. Complete Columns A, B, C, and D for All Users

2. Complete Column E by Using One of the Following Codes

- Code 10 - Structural Pest Controlincludes any pest control work performed within or on buildings and other structures
- Code 30 - Landscape Maintenance Pest Controlincludes any pest control work performed on landscape plantings around residences, or toehr building, golf coursesm oarjrm cebetaruesm etc.
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MANUFACTURER AND NAME OF PRODUCT APPLIED	EPA/CALIFORNIA REGISTRATION NUMBER FROM LABEL INCLUDE ALPHA CODE	TOTAL PRODUCT USED (Circle One Unit of Measure)	NUMBER OF APPLICATIONS	CODE	COMMODITY OR SITE TREATED	ACRES/UNITS TREATED
Cognis Agnique MMF	53263-28	1.1250 gal	10	50		
Zoecon Altosid Briquets 30 Day	2724-375	7.5089 lbs	44	50		
Zoecon Altosid Liquid Concentrate 20%	2724-446	4.8625 gal	16	50		
Zoecon Altosid Pellets	2724-448	76.4594 lbs	46	50		
AHPro Vector Group Aqualaur 20-20	769-985	3.7471 gal	29	50		
BVA Oils BVA-2	70589-1	1,050.0000 gal	217	50		
FourStar Microbials FourStar Briquets	83362-3	5.5000 lbs	44	50		
Monsanto Roundup-Pro	524-475	0.1872 gal	1	50		

REPORT PREPARED BY

Allen D. [Signature]

DATE

6/12/2012

Valent BioSciences Vectoba -AS	73049-38	65.6250 gal	11	50	
Valent Bio Sciences Vectomax CG	73049-429	0.1000 lbs	1	50	

REPORT PREPARED BY

Alex D. [Signature]

DATE

6/12/2012

MONTHLY SUMMARY PESTICIDE USE REPORT

PR-ENF-060(Rev. 4/92)

INSTRUCTIONS FOR COMPLETING THIS FORM ARE INDICATED BELOW AND ON THE REVERSE SIDE

OPERATOR (FIRM NAME) Merced County MAD		ADDRESS P.O. Box 909		CITY Merced	ZIP 95341	PHONE NUMBER (209)722-1527
OPERATION IDENTIFICATION/PERMIT NUMBER 24-12-24-VC-037	LICENSE NUMBER	COUNTY(WHERE APPLIED) Merced	COUNTY NUMBER 24	MONTH/YEAR OF USE June 2012	TOTAL NUMBER OF APPLICATIONS 512	

1. Complete Columns A, B, C, and D for All Users

2.. Complete Column E by Using One of the Following Codes

- Code 10 - Structural Pest Controlincludes any pest control work performed within or on buildings and other structures
- Code 30 - Landscape Maintenance Pest Controlincludes any pest control work performed on landscape plantings around residences, or toehr building, golf coursesm oarjsm cebetaruesm etc.
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MANUFACTURER AND NAME OF PRODUCT APPLIED	EPA/CALIFORNIA REGISTRATION NUMBER FROM LABEL INCLUDE ALPHA CODE	TOTAL PRODUCT USED (Circle One Unit of Measure)	NUMBER OF APPLICATIONS	CODE	COMMODITY OR SITE TREATED	ACRES/UNITS TREATED
Cognis Agnique MMF	53263-28	1.4975 gal	8	50		
Zoecon Altosid Briquets 30 Day	2724-375	3.8913 lbs	28	50		
Zoecon Altosid Liquid Concentrate 20%	2724-446	6.8464 gal	25	50		
Zoecon Altosid Pellets	2724-448	10.1313 lbs	6	50		
Clarke Aquahalt	1021-1803-8329	38.2044 gal	49	50		
AHPro Vector Group Aqualeur 20-20	769-985	2.1310 gal	30	50		
BVA Oils BVA-2	70589-1	1,077.5000 gal	258	50		
MGK EverGreen 60-6	1021-1770	34.9752 gal	4	50		

REPORT PREPARED BY

Allen D. [Signature]

DATE

7/12/2012

FourStar Microbials FourStar r uets	83362-3	4.1250 lbs	30	50		
MGK Pyrethrin 60-12 12%	1021-1570	7.3320 gal	13	50		
Monsanto Roundup-Pro	524-475	0.1404 gal	1	50		
Valent BioSciences Vectobac 12-AS	73049-38	128.1250 gal	27	50		
Valent BioSciences Vectolex CG	73049-20	50.7000 lbs	22	50		
Valent Bio Sciences Vectomax CG	73049-429	36.6600 lbs	11	50		

REPORT PREPARED BY

Alan D. Jones

DATE

7/12/2012

MONTHLY SUMMARY PESTICIDE USE REPORT

PR-ENF-060(REV 4/92)

INSTRUCTIONS FOR COMPLETING THIS FORM ARE INDICATED BELOW AND ON THE REVERSE SIDE

OPERATOR (FIRM NAME) Merced County MAD		ADDRESS P.O. Box 909		CITY Merced	ZIP 95341	PHONE NUMBER (209)722-1527
OPERATOR IDENTIFICATION/PERMIT NUMBER 24-12-24-VC-037	LICENSE NUMBER	COUNTY(WHERE APPLIED) Merced	COUNTY NUMBER 24	MONTH/YEAR OF USE July 2012	TOTAL NUMBER OF APPLICATIONS 632	

1. Complete Columns A, B, C, and D for All Use

2.. Complete Column E by Using One of the Following Co

- Code 10 - Structural Pest Controlincludes any pest control work performed within or on buildings and other structures
- Code 30 - Landscape Maintenance Pest Controlincludes any pest control work performed on landscape plantings around residences, or toehr building, golf coursesm oarjsm cebetaruesm etc.
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- Code 80 - Vertebrate Pest Controlincludes any vertebrate pest control work performed by public agencies for work under the supervision of the State or county agricultural commissioner
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- Code 100 - Regulatory Pest Control.....includes any pest control work performed by public employees or contractors in the control of regulated pest.

3. Complete Column F and G, if Use Does not Fit one other Above Co

A	B	C	D	E	F	G
MANUFACTURER AND NAME OF PRODUCT APPLIED	EPA/CALIFORNIA REGISTRATION NUMBER FROM LABEL INCLUDE ALPHA CODE	TOTAL PRODUCT USED (Circle One Unit of Measure)	NUMBER OF APPLICATIONS	CODE	COMMODITY OR SITE TREATED	ACRES/UNITS TREATED
Cognis Agnique MMF	53263-28	1.1250 gal	3	50		
Zoecon Altosid Briquets 30 Day	2724-375	4.5101 lbs	30	50		
Zoecon Altosid Liquid Concentrate 20%	2724-446	0.6224 gal	3	50		
Zoecon Altosid Pellets	2724-448	63.6256 lbs	16	50		
Clarke Aquahalt	1021-1803-8329	61.8930 gal	81	50		
AHPro Vector Group Aqualaur 20-20	769-985	0.5410 gal	6	50		
BVA Oils BVA-2	70589-1	1,515.6600 gal	362	50		
MGK EverGreen 60-6	1021-1770	21.0678 gal	2	50		

REPORT PREPARED BY

Alan D. Johnson

DATE

8/9/2012

FourStar Microbials FourStar E ets	83362-3	4.5000	lbs	38	50		
Clarke Natular 2 EC	8329-82	15.1195	gal	36	50		
Clarke Natular G	8329-80	40.0000	lbs	1	50		
Clarke Natular G 30	8329-83	20.0000	lbs	2	50		
MGK Pyrethrin 60-12 12%	1021-1570	5.1597	gal	16	50		
Valent BioSciences Vectobac 12-AS	73049-38	41.8750	gal	7	50		
Valent BioSciences Vectolex CG	73049-20	46.7000	lbs	18	50		
Valent Bio Sciences Vectomax CG	73049-429	26.4700	lbs	9	50		
Wellmark International Zenivex E20	2724-791	27.8460	gal	2	50		

REPORT PREPARED BY

Chloe D. Jones

DATE

8/9/2012

MONTLY SUMMARY PESTICIDE USE REPORT

PR-ENF-066 (4/92)

INSTRUCTIONS FOR COMPLETING THIS FORM ARE INDICATED BELOW AND ON THE REVERSE SIDE

OPERATOR (FIRM NAME) Merced County MAD		ADDRESS P.O. Box 909		CITY Merced	ZIP 95341	PHONE NUMBER (209)722-1527
OPERATOR IDENTIFICATION/PERMIT NUMBER 24-12-24-VC-037	LICENSE NUMBER	COUNTY(WHERE APPLIED) Merced	COUNTY NUMBER 24	MONTH/YEAR OF USE August 2012	TOTAL NUMBER OF APPLICATIONS 887	

1. Complete Columns A, B, C, and D for All Use

2.. Complete Column E by Using One of the Following Co

- Code 10 - Structural Pest Controlincludes any pest control work performed within or on buildings and other structures
- Code 30 - Landscape Maintenance Pest Controlincludes any pest control work performed on landscape planings around residences, or toehr building, golf coursesm oarjsm cebetaruesm etc.
- Code 40 - Right-of-Way Pest Controlincludes any pest control work performed along roadsides, pwerlines, media strips, ditch banks and similar
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- Code 100 - Regulatory Pest Control.....includes any pest control work performed by public employees or contractors in the control of regulated pest.

3. Complete Column F and G, if Use Does not Fit one other Above Co

A	B	C	D	E	F	G
MANUFACTURER AND NAME OF PRODUCT APPLIED	EPA/CALIFORNIA REGISTRATION NUMBER FROM LABEL INCLUDE ALPHA CODE	TOTAL PRODUCT USED (Circle One Unit of Measure)	NUMBER OF APPLICATIONS	CODE	COMMODITY OR SITE TREATED	ACRES/UNITS TREATED
Cognis Agnique MMF	53263-28	2.2500 gal	5	50		
Zoecon Altosid Briquets 30 Day	2724-375	5.5097 lbs	35	50		
Zoecon Altosid Liquid Concentrate 20%	2724-446	14.2996 gal	9	50		
Zoecon Altosid Pellets	2724-448	86.1063 lbs	45	50		
Clarke Aquahalt	1021-1803-8329	164.5176 gal	207	50		
AHPro Vector Group Aqualeur 20-20	769-985	4.8579 gal	28	50		
BVA Oils BVA-2	70589-1	1,996.3300 gal	447	50		
MGK EverGreen 60-6	1021-1770	138.0132 gal	10	50		

REPORT PREPARED BY _____

DATE

9/11/2012

FourStar Microbials FourStar 'quets	83362-3	6.0500	lbs	23	50		
Clarke Natular 2 EC	8329-82	44.7642	gal	50	50		
Clarke Natular G	8329-80	20.0000	lbs	1	50		
Valent BioSciences Vectobac 12-AS	73049-38	267.2500	gal	15	50		
Valent Bio Sciences Vectomax CG	73049-429	25.0000	lbs	2	50		
Wellmark International Zenivex E20	2724-791	91.1040	gal	10	50		

REPORT PREPARED BY _____

DATE

9/11/2012

MONTHLY SUMMARY PESTICIDE USE REPORT

PR-ENF-060 (REV 4/92)

INSTRUCTIONS FOR COMPLETING THIS FORM ARE INDICATED BELOW AND ON THE REVERSE SIDE

OPERATOR (FIRM NAME) Merced County MAD		ADDRESS P.O. Box 909		CITY Merced	ZIP 95341	PHONE NUMBER (209)722-1527
OPERATOR IDENTIFICATION/PERMIT NUMBER 24-12-24-VC-037	LICENSE NUMBER	COUNTY(WHERE APPLIED) Merced	COUNTY NUMBER 24	MONTH/YEAR OF USE September 2012	TOTAL NUMBER OF APPLICATIONS 957	

1. Complete Columns A, B, C, and D for All Use

2. Complete Column E by Using One of the Following Co

Code 10 - Structural Pest Controlincludes any pest control work performed within or on buildings and other structures

Code 30 - Landscape Maintenance Pest Controlincludes any pest control work performed on landscape plantings around residences, or toehr building, golf coursesm oarjsm cebetaruesm etc.

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Code 100 - Regulatory Pest Control.....includes any pest control work performed by public employees or contractors in the control of regulated pest.

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MANUFACTURER AND NAME OF PRODUCT APPLIED	EPA/CALIFORNIA REGISTRATION NUMBER FROM LABEL INCLUDE ALPHA CODE	TOTAL PRODUCT USED (Circle One Unit of Measure)	NUMBER OF APPLICATIONS	CODE	COMMODITY OR SITE TREATED	ACRES/UNITS TREATED
Cognis Agnique MMF	53263-28	2.0000 gal	5	50		
Zoecon Altosid Briquets 30 Day	2724-375	3.5176 lbs	26	50		
Zoecon Altosid Liquid Concentrate 20%	2724-446	98.8527 gal	64	50		
Zoecon Altosid Pellets	2724-448	18.8256 lbs	11	50		
Clarke Aquahalt	1021-1803-8329	143.1612 gal	184	50		
AHPro Vector Group Aqualeur 20-20	769-985	1.9648 gal	18	50		
BVA Oils BVA-2	70589-1	1,658.0000 gal	327	50		
MGK EverGreen 60-6	1021-1770	207.0744 gal	30	50		

REPORT PREPARED BY

Alta D. Aron

DATE

10/4/2012

FourStar Microbials FourStar Briquets	83362-3	3.6500	lbs	26	50		
Clarke Natular 2 EC	8329-82	2.5740	gal	8	50		
Clarke Natular G	8329-80	20.0000	lbs	1	50		
MGK Pyrethrin 60-12 12%	1021-1570	66.2064	gal	150	50		
Valent BioSciences Vectobac 12-AS	73049-38	1,788.5000	gal	83	50		
Valent BioSciences Vectolex CG	73049-20	140.6200	lbs	22	50		
Wellmark International Zenivex E20	2724-791	54.4596	gal	2	50		

REPORT PREPARED BY

Alto D. Jones

DATE

10/4/2012

MONTHLY SUMMARY PESTICIDE USE REPORT

PESTICIDE ENFORCEMENT BRANCH

PR-ENF-060(R)

INSTRUCTIONS FOR COMPLETING THIS FORM ARE INDICATED BELOW AND ON THE REVERSE SIDE

OPERATOR (FIRM NAME) Merced County MAD		ADDRESS P.O. Box 909	CITY Merced	ZIP 95341	PHONE NUMBER (209)722-1527
OPERATOR IDENTIFICATION/PERMIT NUMBER 24-12-24-VC-037	LICENSE NUMBER	COUNTY (WHERE APPLIED) Merced	COUNTY NUMBER 24	MONTH/YEAR OF USE October 2012	TOTAL NUMBER OF APPLICATIONS 780

1. Complete Columns A, B, C, and D for All Use

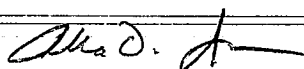
2. Complete Column E by Using One of the Following Co

- Code 10 - Structural Pest Controlincludes any pest control work performed within or on buildings and other structures
- Code 30 - Landscape Maintenance Pest Controlincludes any pest control work performed on landscape planings around residences, or toehr building, golf coursesm oarjsm cebetaruesm etc.
- Code 40 - Right-of-Way Pest Controlincludes any pest control work performed along roadsides, pwerlines, media strips, ditch banks and similar
- Code 50 - Public Health Pest Controlincludes any pest control work performed by or under contract with Stqte of local public health or vector control agencies
- Code 80 - Vertebrate Pest Controlincludes any vertebrate pest control work performed by public agencies for work under the supervision of the State or county agricultural commissioner
- Code 91 - Commodity Fumigation (Nonfood/Nonfeed)includes fumigation of nonfood/nonfeed commodities such as: pallets, dunnage, furniture, burlap bags, etc.
- Code 100 - Regulatory Pest Control.....includes any pest control work performed by public employees or contractors in the control of regulated pest.

3. Complete Column F and G, if Use Does not Fit one other Above Co

A	B	C	D	E	F	G
MANUFACTURER AND NAME OF PRODUCT APPLIED	EPA/CALIFORNIA REGISTRATION NUMBER FROM LABEL INCLUDE ALPHA CODE	TOTAL PRODUCT USED (Circle One Unit of Measure)	NUMBER OF APPLICATIONS	CODE	COMMODITY OR SITE TREATED	ACRES/UNITS TREATED
Cognis Agnique MMF	53263-28	1.0000 gal	1	50		
Zoecon Altosid Briquets 30 Day	2724-375	3.1654 lbs	20	50		
Zoecon Altosid Liquid Concentrate 20%	2724-446	34.1853 gal	22	50		
Zoecon Altosid Pellets	2724-448	36.8325 lbs	23	50		
Clarke Aquahalt	1021-1803-8329	251.2458 gal	264	50		
AHPro Vector Group Aqualeur 20-20	769-985	2.9211 gal	39	50		
BVA Oils BVA-2	70589-1	1,127.0000 gal	256	50		
Syngenta Demand	100-1066	0.0125 gal	1	50		

REPORT PREPARED BY



DATE

11/9/2012

MONTHLY SUMMARY PESTICIDE USE REPORT

PESTICIDE ENFORCEMENT BRANCH

PR-ENF-060(R. 2)

INSTRUCTIONS FOR COMPLETING THIS FORM ARE INDICATED BELOW AND ON THE REVERSE SIDE

OPERATOR (FIRM NAME) Merced County MAD		ADDRESS P.O. Box 909		CITY Merced	ZIP 95341	PHONE NUMBER (209)722-1527
OPERATOR IDENTIFICATION/PERMIT NUMBER 24-12-24-VC-037	LICENSE NUMBER	COUNTY(WHERE APPLIED) Merced	COUNTY NUMBER 24	MONTH/YEAR OF USE November 2012	TOTAL NUMBER OF APPLICATIONS 136	

1. Complete Columns A, B, C, and D for All Use

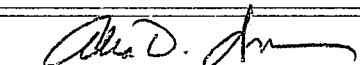
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3. Complete Column F and G, if Use Does not Fit one other Above Co

A	B	C	D	E	F	G
MANUFACTURER AND NAME OF PRODUCT APPLIED	EPA/CALIFORNIA REGISTRATION NUMBER FROM LABEL INCLUDE ALPHA CODE	TOTAL PRODUCT USED (Circle One Unit of Measure)	NUMBER OF APPLICATIONS	CODE	COMMODITY OR SITE TREATED	ACRES/UNITS TREATED
Zoecon Altosid Briquets 30 Day	2724-375	1.4042 lbs	6	50		
Zoecon Altosid Pellets	2724-448	13.2031 lbs	8	50		
Clarke Aquahalt	1021-1803-8329	18.8370 gal	21	50		
AHPro Vector Group Aqualeur 20-20	769-985	0.2753 gal	7	50		
BVA Oils BVA-2	70589-1	316.0000 gal	68	50		
FourStar Microbials FourStar Briquets	83362-3	3.8750 lbs	26	50		

REPORT PREPARED BY



DATE

12/6/2012

MONTHLY SUMMARY PESTICIDE USE REPORT

PR-ENF-060(RL 4)

INSTRUCTIONS FOR COMPLETING THIS FORM ARE INDICATED BELOW AND ON THE REVERSE SIDE

OPERATOR (FIRM NAME) Merced County MAD		ADDRESS P.O. Box 909		CITY Merced	ZIP 95341	PHONE NUMBER (209)722-1527
OPERATOR IDENTIFICATION/PERMIT NUMBER 24-12-24-VC-037	LICENSE NUMBER	COUNTY(WHERE APPLIED) Merced	COUNTY NUMBER 24	MONTH/YEAR OF USE December 2012	TOTAL NUMBER OF APPLICATIONS 2	

1. Complete Columns A, B, C, and D for All Use

2. Complete Column E by Using One of the Following Co

- Code 10 - Structural Pest Controlincludes any pest control work performed within or on buildings and other structures
- Code 30 - Landscape Maintenance Pest Controlincludes any pest control work performed on landscape plantings around residences, or toehr building, golf coursesm oarjsm cebetaruesm etc.
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A	B	C	D	E	F	G
MANUFACTURER AND NAME OF PRODUCT APPLIED	EPA/CALIFORNIA REGISTRATION NUMBER FROM LABEL INCLUDE ALPHA CODE	TOTAL PRODUCT USED (Circle One Unit of Measure)	NUMBER OF APPLICATIONS	CODE	COMMODITY OR SITE TREATED	ACRES/UNITS TREATED
FourStar Microbials	83362-3	0.2000 lbs	2	50		
FourStar Briquets						

REPORT PREPARED BY

Allen D. Jr.

DATE

1/15/2013

