

**SITUATION REPORT**  
**CALIFORNIA LIGHT BROWN APPLE MOTH COOPERATIVE ERADICATION PROGRAM**  
 Report reflects totals received by Thursday at noon

Regulatory Weekly Nursery Inspections, Acres and Suspects Found By County																		
County	2009 Totals		YTD 2010		YTD 2011		This Month ( 8/4/2011 To 9/7/2011)											
	Nursery Insp.	Acres Insp.	Nursery Insp.	Acres Insp.	Nursery Insp.	Acres Insp.	Nursery Inspections						Suspects					
							Production		Retail		Totals		Larvae		Pupae		Egg	
							Insp.	Acres	Insp.	Acres	Insp.	Acres	Submitted	Positive ID	Submitted	Positive ID	Submitted	Positive ID
Alameda	10	6.4	2	1.2	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Contra Costa	621	679.6	162	297.6	52.0	121.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Los Angeles	70	790.3	11	142.0	19.0	206.0	2	6.0	0	0.0	2	6.0	0	0	0	0	0	0
Marin	269	181.5	94	90.1	48.0	46.5	6	5.3	0	0.0	6	5.3	0	0	0	0	0	0
Monterey	2732	13332.6	2045	10736.3	741.0	3769.5	127	503.7	0	0.0	127	503.7	99	61	3	2	0	0
Napa	67	63.5	0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Orange	0	0.0	2	32.0	13.0	124.0	2	18.0	0	0.0	2	18.0	0	0	0	0	0	0
Sacramento	0	0.0	1	120.0	44.0	1454.0	25	1403.0	0	0.0	25	1403.0	119	1	12	1	0	0
San Benito	191	1907.4	147	873.0	28.0	147.0	7	30.0	0	0.0	7	30.0	0	0	0	0	0	0
San Diego	0	0.0	65	937.5	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
San Francisco	226	44.9	160	21.2	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
San Joaquin	8	1475.5	22	645.0	6.0	87.5	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
San Luis Obispo	246	1408.4	463	1790.9	53.0	268.7	6	20.3	0	0.0	6	20.3	2	0	2	0	0	0
San Mateo	1042	5091.1	290	955.1	167.0	975.8	18	115.5	0	0.0	18	115.5	0	0	0	0	0	0
Santa Barbara	918	4878.3	0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Santa Clara	577	2869.8	207	5032.0	134.0	2830.1	22	342.0	0	0.0	22	342.0	52	28	1	0	0	0
Santa Cruz	2921	11156.7	1294	7803.7	304.0	2087.3	39	186.0	0	0.0	39	186.0	9	28	1	0	1	0
Solano	112	12.2	0	0.0	2.0	101.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Sonoma	841	1259.2	658	1377.2	123.0	253.1	16	20.8	0	0.0	16	20.8	0	0	0	0	0	0
Yolo	100	2778.1	0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
<b>Grand Total</b>	<b>10951</b>	<b>47935.5</b>	<b>5623</b>	<b>30854.7</b>	<b>1734</b>	<b>12471.5</b>	<b>270</b>	<b>2650.5</b>	<b>0</b>	<b>0.0</b>	<b>270</b>	<b>2650.5</b>	<b>281</b>	<b>118</b>	<b>19</b>	<b>3</b>	<b>1</b>	<b>0</b>

As of 11/19/2009 Immature Life Stages can be rated "A" (Morphological) or "Q" (DNA). Positive ID count may be higher than Submission Count, due to Lag time between Submission and ID of pest. Some Pest ID's in this Report may have been submitted in Last Report.

## Regulatory Weekly Commodity Inspections With Acres And Suspects Found By County

County	2009 Totals			YTD 2010			YTD 2011			This Month ( 8/4/2011 To 9/7/2011)								
	Cooler Insp.*	Site Insp.	Acres Insp.	Cooler Insp.*	Site Insp.	Acres Insp.	Cooler Insp.*	Site Insp.	Acres Insp.	Commodity Inspections			Suspects					
										Totals			Larvae	Pupae	Egg			
										Cooler**	Site	Acres	Submitted	Positive ID	Submitted	Positive ID	Submitted	Positive ID
Alameda	0	0	0.0	0	1	1.00	0	0	0.00	0	0	0.00	0	0	0	0	0	0
Contra Costa	0	62	223.0	0	62	581.06	0	18	279.36	0	0	0.00	0	0	0	0	0	0
Los Angeles	0	2	0.1	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0	0	0
Marin	0	459	449.2	0	39	61.40	0	4	1.00	0	0	0.00	0	0	0	0	0	0
Monterey	1230	644	50017.2	1448	587	68205.00	613	40	31945.59	112	8	3377.10	7	0	7	0	0	0
Napa	0	138	700.6	0	0	0.00	2	0	106.00	0	0	0.00	0	0	0	0	0	0
San Benito	26	199	2675.5	57	166	3011.74	7	2	245.83	0	1	71.00	0	0	0	0	0	0
San Francisco	0	0	0.0	0	2	1.20	0	0	0.00	0	0	0.00	0	0	0	0	0	0
San Joaquin	0	21	252.3	0	37	1048.73	0	0	0.00	0	0	0.00	0	0	0	0	0	0
San Luis Obispo	0	207	1027.4	0	58	252.53	0	0	0.00	0	0	0.00	0	0	0	0	0	0
San Mateo	0	5	195.0	0	31	137.47	0	4	4.60	0	0	0.00	0	0	0	0	0	0
Santa Barbara	0	66	395.7	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0	0	0
Santa Clara	0	426	3093.3	0	165	1279.14	0	39	201.90	0	1	10.00	0	0	0	0	0	0
Santa Cruz	1547	1427	39127.8	1272	682	30332.30	649	61	21410.50	233	8	6722.50	5	0	5	0	0	0
Solano	0	27	1041.2	0	0	0.00	0	9	301.45	0	4	162.45	0	0	0	0	0	0
Sonoma	0	2007	7205.1	0	85	770.05	0	6	77.50	0	6	77.50	0	0	0	0	0	0
Yolo	0	4	30.1	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0	0	0
<b>Grand Total</b>	<b>2803</b>	<b>5694</b>	<b>106433.4</b>	<b>2777</b>	<b>1915</b>	<b>105681.62</b>	<b>1271</b>	<b>183</b>	<b>54573.73</b>	<b>345</b>	<b>28</b>	<b>10420.55</b>	<b>12</b>	<b>0</b>	<b>12</b>	<b>0</b>	<b>0</b>	<b>0</b>

\*Cooler inspections are considered 100% inspected. As of 11/19/2009 Immature Life Stages can be rated "A" (Morphological) or "Q" (DNA). Positive ID count may be higher than Submission Count, due to Lag time between Submission and ID of pest. Some Pest ID's in this Report may have been submitted in Last Report.

### Host Plants

This data includes only the 15 most common hosts. 1 PDR number is counted as 1 find.

Scientific Host Name	Common Host Name	# of Repeat Finds
Rubus	Blackberry, Raspberry, Olallieberry	<b>129</b>
Alstroemeria	Peruvian Lily	<b>121</b>
Myrica	Myrica	<b>105</b>
Ceanothus	Ceanothus	<b>72</b>
Fragaria	Strawberry	<b>69</b>
Rosa	Rose	<b>72</b>
Rosmarinus officinalis	Rosemary	<b>52</b>
Vaccinium	Blueberry	<b>48</b>
Pittosporum	Pittosporum	<b>52</b>
Leucadendron	Leucadendron	<b>48</b>
Prunus	Plum, Cherry, Peach, Apricot	<b>41</b>
Salvia	Sage	<b>38</b>
Malus	Apple	<b>32</b>
Ribes	Gooseberry	<b>31</b>
Boronia	Boronia	<b>27</b>

### Total Suspect LBAM Larvae/Pupae/Egg

Collected	#	% of Collected
Larvae/Pupae/Egg Masses	11,426	100.00
Non-Target Specimens	3996	34.97
Confirmed "Positive"	7430	65.03

Note: Records without results are not included.

## Compliance Agreements Issued to Date

Source: ISIS IV

Total number of sites with Compliance Agreements- includes sites with the same C/A number.  <b>(not unique)</b>	Total Number of <b>(unique)</b> Compliance Agreements Issued			Total Acres under compliance-Active Establishments Only		
	Nursery	Commodity	Other	Nursery	Commodity	Other
	1,693	1,785	334	12245.42	90634.76	147.91
<b>8,161</b>	<b>Total: 3812</b>			<b>Total: 103028.09</b>		

Source: County Ag. Trappers & LBAM Program  
Trappers

Report Date 9/8/2011	USDA/CDFR LBAM Traps by Type												Total Traps
	LBAM Project						CDFR/County						
	Delimitation		Post - Treatment		Detection	Nursery	Cropland	Delimitation		Detection	Nursery	Cropland	
County	Sites	#Traps	Sites	#Traps				Sites	#Traps				
Alameda	0	0	0	0	0	0	0	0	0	0	43	13	56
Contra Costa	0	0	0	0	0	0	0	0	0	0	55	54	109
Los Angeles	0	0	0	0	0	201	32	0	0	4,971	0	0	5,204
Madera	1	244		0	0	0	0	0	0	0	0	0	244
Marin	0	0	0	0	0	0	0	0	0	0	13	1	14
Monterey	0	0	0	0	0	241	211	0	0	309	0	0	761
Napa	0	0	0	0	0	0	0	0	0	0	11	0	11
Sacramento	6	999	0	0	0	0	0	0	0	1,111	101	157	2,368
San Benito	0	0	0	0	0	0	0	0	0	2	14	47	63
San Diego	1	339	0	0	0	700	304	0	0	412	0	0	1,755
San Francisco	0	0	0	0	0	0	0	0	0	0	0	0	0
San Joaquin	5	572	1	202	0	48	904	3	217	620	240	0	2,803
San Luis Obispo	3	618	0	0	0	26	303	0	0	191	58	0	1,196
San Mateo	0	0	0	0	0	127	0	0	0	0	0	0	127
Santa Barbara	0	0	0	0	0	0	0	0	0	496	0	0	496
Santa Clara	0	0	0	0	0	106	13	0	0	0	0	0	119
Santa Cruz	0	0	0	0	0	124	0	0	0	0	0	0	124
Solano	1	33	0	0	0	0	0	0	0	242	155	502	932
Sonoma	0	0	0	0	0	0	0	0	0	0	37	0	37
Stanislaus	2	483	0	0	0	0	0	0	0	0	0	0	483
Ventura	0	0	0	0	0	0	0	0	0	549	0	0	549
Yolo	4	173	0	0	0	247	88	0	0	129	41	0	678
<b>Total Traps</b>	<b>23</b>	<b>3,461</b>	<b>1</b>	<b>202</b>	<b>0</b>	<b>1,820</b>	<b>1,855</b>	<b>3</b>	<b>217</b>	<b>9,032</b>	<b>768</b>	<b>774</b>	<b>18,129</b>

### Detection Trapping Pest Results (Adult LBAM):

Source: CDFR/PHPPS

Date 9/8/2011																		
Positive Totals by Year/YTD																		
County	2007	2008	2009	2010	Jan-11	Feb-11	Mar-11	*Apr-11	*May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11	YTD 2011	Total
Alameda	449	2811	43688	2535	12	16	31	4	12	14	13	9	0	0	0	0	111	49594
Contra Costa	152	2144	16278	350	2	42	67	97	127	102	30	6	0	0	0	0	473	19397
Fresno	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Los Angeles	1	0	108	637	112	8	9	22	22	33	39	28	0	0	0	0	273	1019
Madera	0	0	0	0	0	0	0	0	1								1	1
Marin	77	941	9542	625	0	0	10	0	0	6	0	0	0	0	0	0	16	11201
Monterey	865	5364	18213	8834	122	64	171	382	207	300	421	536	0	0	0	0	2203	35479
Napa	2	16	287	106	32	16	7	8	5	37	16	10	6	0	0	0	137	548
Sacramento	0	0	0	13	2	2	2	3	6	8	9	13	2	0	0	0	47	60
San Benito	0	9	26	40	2	0	0	1	0	0	1	0	0	0	0	0	4	79
San Diego	0	0	0	11	0	0	1	1	0	0	0	0	0	0	0	0	2	13
San Francisco	4041	17005	60115	668	0	0	0	0	0	0	0	0	0	0	0	0	0	81829
San Joaquin	0	0	10	10	2	0	0	0	7	19	13	9	0	0	0	0	50	70
San Luis	1	0	22	13	0	2	2	6	0	2	1	2	0	0	0	0	15	51
San Mateo	98	1921	11599	931	105	104	90	103	208	129	71	151	0	0	0	0	961	15510
Santa Barbara	0	6	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	8
Santa Clara	22	131	409	192	31	23	24	30	11	16	12	5	0	0	0	0	152	906
Santa Cruz	11095	16619	43347	12755	546	107	175	535	292	222	672	333	0	0	0	0	2882	86698
Solano	9	23	176	99	0	0	1	3	13	10	19	3	0	0	0	0	49	356
Sonoma	0	23	159	84	0	0	0	0	0	0	1	0	0	0	0	0	1	267
Stanislaus	0	0	0	0	0	1	0	0	0	0	2	0	0	0	0	0	3	3
Ventura	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1
Yolo	0	0	8	17	0	0	0	1	3	1	4	0	0	0	0	0	9	34
Program	16812	47013	203990	27921	968	385	590	1196	914	899	1324	1105	8	0	0	0	7389	303125

2010 Totals Updated 7/7/2011

\* Not all monthly totals have come in- PDR Identification still in progress

**Facilities and Program Developments:**  
**RESOURCES MANAGEMENT (revised 9/8/2011)**

**Staffing:**

<u>Organization</u>	<u>Total Positions</u>
CDFA (California Department of Food & Agriculture)	18
USDA (United States Department of Agriculture)	5 + 8 SIT
CASS (Cooperative Agricultural Support Services)	27

**Background:** On February 6, 2007, CDFA was informed that Light Brown Apple Moth (LBAM) was first detected in a light trap in Berkeley that is maintained by a University of California Professor Emeritus. The sample was identified by Australian entomologist Dr. Marianne Horak. There were two unofficial detections in this trap, on July 19, 2006 and November 19, 2006. In response to these unofficial detections, delimitation traps were placed in the spring of 2007, in a 2.5 mile radius around this site. The traps were placed in a 100/50/10 trap per square mile array. During the first inspection of these traps, LBAM were detected in Alameda and Contra Costa Counties. In response to these official detections, detection and delimitation trapping continued throughout the Bay Area, with a total to date of seventeen Counties having detections of LBAM. Trapping was extended State-wide, and larval finds were subsequently found in several locations. Following the issuance of a State Interior Quarantine and a Federal Executive Order regulating the affected area, an emergency project was initiated under joint County/CDFA/USDA management operating under Incident Command and based in Salinas, Watsonville, and now Moss Landing. Program components include detection trapping, diagnostics, inspections of commodities and nurseries, regulatory compliance, and treatments. There are currently three program office locations. The operations base is in Moss Landing and there are field work units in San Jose, Albany, West Sacramento, Nipomo, and Long Beach.