

**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 ( 6/2/2011 To 7/6/2011)											
	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	43.0	112.0	4	18.4	0	0.0	4	18.4	12	0	1	0	0	0
Los Angeles	70	790.3	11	142.0	17.0	200.0	3	41.0	0	0.0	3	41.0	0	0	0	0	0	0
Marin	269	181.5	94	90.1	34.0	36.9	6	4.3	0	0.0	6	4.3	0	0	0	0	0	0
Monterey	2732	13332.6	2045	10736.3	542.0	2987.5	110	497.3	0	0.0	110	497.3	104	89	3	3	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	11.0	106.0	2	18.0	0	0.0	2	18.0	0	0	0	0	0	0
Sacramento	0	0.0	1	120.0	16.0	48.5	1	1.0	6	13.0	7	14.0	6	0	1	0	0	0
San Benito	191	1907.4	147	873.0	14.0	86.5	3	37.5	0	0.0	3	37.5	6	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	4.0	83.5	2	48.8	0	0.0	2	48.8	122	68	11	3	0	0
San Luis Obispo	246	1408.4	463	1790.9	47.0	248.4	8	25.3	0	0.0	8	25.3	3	0	0	0	0	0
San Mateo	1042	5091.1	290	955.1	132.0	735.3	33	232.9	0	0.0	33	232.9	20	45	5	4	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	119.0	2358.4	21	280.6	0	0.0	21	280.6	16	13	0	0	0	0
Santa Cruz	2921	11156.7	1294	7803.7	240.0	1823.3	42	332.3	0	0.0	42	332.3	17	17	1	1	0	0
Solano	112	12.2	0	0.0	0.0	0.0	0	0.0	0	0.0	0	0.0	0	0	0	0	0	0
Sonoma	841	1259.2	658	1377.2	103.0	232.1	24	53.3	2	2.0	26	55.3	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	1	0	0	0	0	0
<b>Grand Total</b>	<b>10951</b>	<b>47935.5</b>	<b>5623</b>	<b>30854.7</b>	<b>1322</b>	<b>9058.3</b>	<b>259</b>	<b>1590.5</b>	<b>8</b>	<b>15.0</b>	<b>267</b>	<b>1605.5</b>	<b>307</b>	<b>232</b>	<b>22</b>	<b>11</b>	<b>0</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 ( 6/2/2011 To 7/6/2011)								
	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	5	27.72	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	444	29	21591.14	241	10	11696.12	9	15	1	1	0	0
Napa	0	138	700.6	0	0	0.00	1	0	53.00	1	0	53.00	0	0	0	0	0	0
San Benito	26	199	2675.5	57	166	3011.74	7	1	137.00	4	0	75.00	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	1	1	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	1	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	37	171.09	0	1	6.00	1	0	0	0	0	0
Santa Cruz	1547	1427	39127.8	1272	682	30332.30	318	44	8951.40	179	14	4803.51	6	6	3	0	0	0
Solano	0	27	1041.2	0	0	0.00	0	0	0.00	0	0	0.00	0	0	0	0	0	0
Sonoma	0	2007	7205.1	0	85	770.05	0	0	0.00	0	0	0.00	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>770</b>	<b>137</b>	<b>31188.59</b>	<b>425</b>	<b>31</b>	<b>16661.35</b>	<b>16</b>	<b>21</b>	<b>5</b>	<b>2</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.

<b>Total Suspect LBAM Larvae/Pupae/Egg</b>		
<b>Collected</b>	<b>#</b>	<b>% of Collected</b>
Larvae/Pupae/Egg Masses	11,040	100.00
Non-Target Specimens	3787	34.30
Confirmed "Positive"	7253	65.70

Note: Records without results are not included.  
Source: ISIS IV

**Host Plants**

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

<b>Scientific Host Name</b>	<b>Common Host Name</b>	<b># of Repeat Finds</b>
Rubus	Blackberry, Raspberry, Olallieberry	<b>126</b>
Alstroemeria	Peruvian Lily	<b>120</b>
Myrica	Myrica	<b>100</b>
Ceanothus	Ceanothus	<b>71</b>
Fragaria	Strawberry	<b>69</b>
Rosa	Rose	<b>66</b>
Rosmarinus officinalis	Rosemary	<b>52</b>
Vaccinium	Blueberry	<b>48</b>
Pittosporum	Pittosporum	<b>50</b>
Leucadendron	Leucadendron	<b>47</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>

**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		
	<b>Nursery</b>	<b>Commodity</b>	<b>Other</b>	<b>Nursery</b>	<b>Commodity</b>	<b>Other</b>
	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 7/7/2011	USDA/CDFA LBAM Traps by Type												Total Traps
	LBAM Project						CDFA/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	42	13	55
Contra Costa	0	0	0	0	0	0	0	0	0	0	55	54	109
Los Angeles	0	0	0	0	0	202	32	0	0	4,979	0	0	5,213
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	245	212	2	340	18	0	0	815
Napa	0	0	0	0	0	0	0	0	0	0	11	0	11
Sacramento	5	902	0	0	0	0	0	1	139	1,153	97	67	2,358
San Benito	0	0	0	0	0	2	48	0	0	2	15	47	114
San Diego	2	603	0	0	0	700	304	0	0	411	0	0	2,018
San Francisco	0	0	0	0	0	0	0	0	0	0	0	0	0
San Joaquin	3	135	1	196	0	48	904	3	147	620	240	0	2,290
San Luis Obispo	3	618	0	0	0	26	303	0	0	191	56	0	1,194
San Mateo	0	0	0	0	0	126	0	0	0	0	0	0	126
Santa Barbara	0	0	0	0	0	0	0	0	0	500	0	0	500
Santa Clara	0	0	0	0	0	107	14	0	0	0	0	0	121
Santa Cruz	0	0	0	0	0	123	0	0	0	0	0	0	123
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	18	0	18
Stanislaus	1	232	0	0	0	0	0	0	0	0	0	0	232
Ventura	0	0	0	0	0	0	0	0	0	550	0	0	550
Yolo	4	173	0	0	0	247	88	0	0	117	51	0	676
<b>Total Traps</b>	<b>20</b>	<b>2,940</b>	<b>1</b>	<b>196</b>	<b>0</b>	<b>1,826</b>	<b>1,905</b>	<b>6</b>	<b>626</b>	<b>8,783</b>	<b>753</b>	<b>684</b>	<b>17,713</b>

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

Source: CDFA/PHPPS

Date 7/7/2011		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	16	0	0	0	0	0	0	91	49574
Contra Costa	152	2144	16278	350	2	42	67	97	131	61	0	0	0	0	0	0	400	19324
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	30	0	0	0	0	0	0	203	949
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	306	353	0	0	0	0	0	0	1398	34674
Napa	2	16	287	106	32	16	7	8	6	37	0	0	0	0	0	0	106	517
Sacramento	0	0	0	13	2	2	2	3	6	8	0	0	0	0	0	0	23	36
San Benito	0	9	26	40	2	0	0	1	0	0	0	0	0	0	0	0	3	78
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	90	0	0	0	0	0	0	99	119
San Luis	1	0	22	13	0	2	2	6	0	2	0	0	0	0	0	0	12	48
San Mateo	98	1921	11599	931	105	104	90	103	250	108	0	0	0	0	0	0	760	15309
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	40	24	0	0	0	0	0	0	172	926
Santa Cruz	11095	16619	43347	12755	546	107	175	535	313	161	0	0	0	0	0	0	1837	85653
Solano	9	23	176	99	0	0	1	3	13	10	0	0	0	0	0	0	27	334
Sonoma	0	23	159	84	0	0	0	0	0	0	0	0	0	0	0	0	0	266
Stanislaus	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	0	1	1
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	0	0	0	0	0	0	5	30
Program	16812	47013	203990	27921	968	385	590	1196	1110	907	0	0	0	0	0	0	5156	300892

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 7/8/2011)**

**Staffing:**

<u>Organization</u>	<u>Total Positions</u>
CDFA (California Department of Food & Agriculture)	15
USDA (United States Department of Agriculture)	6 + 10 SIT
CASS (Cooperative Agricultural Support Services)	18

**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.