

Introduction

The California Department of Food and Agriculture (CDFA), as Lead Agency under the California Environmental Quality Act (CEQA), has prepared a Programmatic Environmental Impact Report (PEIR) for the eradication of the light brown apple moth (LBAM) (*Epiphyas postvittana*). LBAM is a new pest to North America that feeds on a broad range of plants including many agricultural, horticultural, and forest species of great economic and ecological value. If LBAM is not completely eradicated while the moth population in the U.S. is relatively small, the long-term impacts to the environment and agricultural production could be considerable. The PEIR evaluates the environmental impacts of implementation of eradication strategies and methods (Program) for LBAM in portions of the state where infestations have been identified by the trapping program to date or may be identified in the future. The CDFA is working closely with the U.S. Department of Agriculture (USDA) and a Technical Working Group to develop the most effective strategy and methods to achieve the overall goal of LBAM eradication from California.

1.1 HISTORY AND BACKGROUND

The CDFA was notified by a retired professor and collector on February 6, 2007, that a moth expert in Australia had identified LBAM from collections made in 2006 at a site in Berkeley in Alameda County. The CDFA initiated a pheromone¹-baited trapping project in Alameda and Contra Costa counties that resulted in the finding of additional moths.

On April 20, 2007, the CDFA issued a quarantine of at least 182 square miles in Alameda, Contra Costa, San Francisco, Marin, and Santa Clara counties. The USDA issued a federal quarantine order on May 2 requiring trapping, inspection, and certification of all nursery stock and host commodities from the quarantine area in 8 counties. Today, the quarantine area has expanded to cover 13 counties (Alameda, Contra Costa, Los Angeles, Marin, Monterey, Napa, San Benito, San Francisco, San Mateo, Santa Barbara, Santa Clara, Santa Cruz, and Solano).

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In May 2007, a group of international scientific experts on LBAM was convened by Animal and Plant Health Inspection Service (APHIS) to provide recommendations on short- and long-term actions to contain, control, and eradicate LBAM in California and prevent the spread of the pest to other states and countries. This Technical Working Group recommended a strategy to first contain and eradicate LBAM from the outer edges of its range, and second to eliminate the core population centers. Based on the recommendations of the USDA and the Technical Working Group, the CDFA developed a reasonable range of alternative control and eradication measures and created an Action Plan.

Beginning in June 2007, the CDFA and APHIS started emergency treatment of isolated populations with LBAM mating disruption techniques, namely ground applications of a biologically based pesticide and the placement of pheromone-treated twist ties in the Monterey-Santa Cruz area. Growing LBAM populations in the area from the Salinas River south to the Monterey Peninsula required aerial treatment with a microencapsulated pheromone in September and again in October 2007. Aerial treatment was also applied in November 2007 over portions of northern Monterey County and over Santa Cruz.

¹ A pheromone is a chemical signal that triggers a natural response in another member of the same species.

Because the LBAM infestations are local or regional, the overall strategy is to eradicate the pest rather than control it. A final Action Plan was approved on February 8, 2008, and updated June 24, 2008, with additional updates in progress. On June 20, 2008, the Secretary of the CDFA announced that the primary strategy for eradicating LBAM was changed from aerial treatment with pheromone to the release of sterile male LBAM to disrupt the mating population. In addition, due in part to issues that have prevented Program implementation, the infestation had spread from 9 counties to 12 by mid-2008.

During 2008, new formulations of the mating disruption pheromone became available and have been tested to determine which formulation is the most efficacious against LBAM. Testing of the formulations for toxicity to humans and other animal species (including aquatic organisms and bees) was completed in 2008. Also in 2008, sterile insect technology (SIT) was placed on fast track for increased development and incorporation into the overall eradication program. As of April 2009, a total of 1,791 compliance agreements have been issued to 3,609 sites located within the quarantine area requiring regular inspection of all nursery stock. Compliance agreements are described in Section 1.1.3, Legislative and Regulatory Actions.

As of April 2009, a total of 21,988 pheromone-baited traps are placed throughout the state, and a total of 73,691 moths have been confirmed as LBAM. However, most of the captures are from traps located in two specific geographic areas (1) Santa Cruz and San Francisco counties (74 percent) and (2) portions of Monterey, Alameda, San Mateo, Contra Costa, and Marin counties (25 percent). The remaining less than 1 percent were confirmed positive counts of less than 200 total trapped in Santa Clara, Solano, Sonoma, Napa, San Benito, and Santa Barbara counties. Los Angeles, San Luis Obispo, Yolo, and Yuba counties have only one confirmed trapping each, of LBAM, to date. As of June 30, 2009, the LBAM infestation has spread to 2,163,200 acres (3,380 square miles).

Following completion of human health and ecological risk assessments and the CEQA process, subsequent eradication activities are scheduled for 2009–2010 in the currently infested counties and in any additional counties within the state where subsequent infestations are found.

1.1.1 Light Brown Apple Moth as an Invasive Species

Because LBAM is a new pest to North America that affects a broad range of plants (as many as 2,042 plants including native plants, forest species, agronomically important crops, and ornamentals), both APHIS and the CDFA have taken immediate action to eradicate LBAM from California to prevent its spread to susceptible host plants throughout the U.S. and neighboring Mexico and Canada. Host plants include deciduous tree fruits, subtropical fruits, berry fruits, ornamentals, and shade and forest trees. LBAM larvae feed on leaves and buds reducing the plant's photosynthetic ability and deforming its growth patterns, which can lead to general plant weakness and disfigurement. In grapes, apples, kiwifruit, plums, avocados, and citrus, LBAM larvae can feed directly on the fruit, and the resulting damage renders the fruit unmarketable (Irvin 2009). If the LBAM is not completely eradicated while the moth population in the U.S. is relatively small, the long-term impacts to the environment and agricultural production could be considerable. The pest is prolific, and the number of generations produced in a growing season varies from 1 to more than 4 (depending on environmental conditions).

In addition the damage caused to native forests could result in higher fuel loading for future forest fires. A California Department of Forestry and Fire Protection (CAL FIRE) pathologist, Tom Smith, notes that the current drought conditions and the LBAM have produced high potential for problems for California forests (Board of Forestry and Fire Protection 2008).

1.1.2 Potential for Damage in California Ecosystems

LBAM feeds on plants in genera containing 2,042 different species including many agricultural, horticultural, and forest species of great economic and ecological value. See Appendix A for a list of all known plant

species that are utilized by LBAM. Furthermore, invasive species such as LBAM trigger use of chemicals to control the pest that end up destroying existing Integrated Pest Management and biological control measures used by horticulture and agriculture.

1.1.2.1 Agriculture and Horticulture

Agriculture is an essential part of the California economy. It provides crops for final consumption in the state and other domestic and international markets, and also generates jobs and income for thousands of workers in the farm sector, as well as agricultural-support industries. Farm production has important linkages to many industries, such as equipment and chemical manufacturing, food and beverage processing, financial services, textiles, and transportation. In 2003, agriculture, forestry, fishing, hunting, and supporting industries accounted for about 1.5 percent of the state's gross state product of \$1.43 trillion (Agricultural Issues Center, University of California 2006).

Similarly, the California nursery industry plays an important role in the state's economy and is the largest in the world. In 2001, this industry was the second largest subsector of agricultural production and had approximately \$3.0 billion in sales, contributed more than \$8 billion in total output, and directly and indirectly supported over 81,000 jobs (Carman and Rodriguez 2004). Californians are the primary consumers of nursery products and are the largest single market for lawn and garden products in the U.S.

In the statewide Program Area, the annual value of host crop production is approximately \$24.8 billion. Vegetables and melons are the highest value, at about \$7.6 billion annually, which accounts for roughly 30.7 percent of the total host crop value across the state. Annual values of host crops in the state include nursery stock at \$3.8 billion, grapes at \$3.7 billion, and nut crops at \$3.3 billion. These top 4 crop groups account for 74.3 percent of the total agricultural host crop value in the statewide Program Area.

1.1.2.2 Organic Crops

Agricultural revenues from organic host crops in the Program Area is approximately \$232.1 million annually. Organic vegetable crops generate about \$149.2 million annually, which represents 64.7 percent of the total value of organic host crop production. Organic strawberries, valued at \$40.0 million annually (17.3 percent of the total), and organic grapes, valued at \$14.8 million annually (6.4 percent), are other important organic crops in the Program Area. Recent LBAM infestations in organic berries have caused up to 20 percent crop loss (Agriculture and Natural Resources 2009).

At the state level, the highest-valued organic commodities are also vegetable crops, valued at over \$331 million annually, or 55.1 percent of total organic host-crop value. Organic grapes are the next highest at \$79.2 million annually (13.2 percent of total production value), followed by organic strawberries at \$46.5 million annually (7.7 percent).

1.1.2.3 Habitat for Sensitive Species²

LBAM both (1) directly threatens plant species that it may adapt to feeding on and (2) indirectly threatens animal species, particularly insects, should it adapt to feeding on plants that are relied upon as food supplies or for critical habitat. This tendency is of particular concern to endangered, threatened, and rare species because they often exist as small populations in very limited habitats and, therefore, any substantial decrease in their numbers or habitat could readily drive these populations to extinction.

² Taken from Hoffman 2008.

California has 283 state or federally listed rare, threatened, or endangered plants (CDFG 2008a). Forty-eight of these plants (17 percent) are in genera that are recorded as LBAM hosts (USDA 2008a). These genera are *Arctostaphylos*, *Baccharis*, *Berberis*, *Ceanothus*, *Cirsium*, *Cupressus*, *Helianthus*, *Lilium*, *Lotus*, *Lupinus*, *Opuntia*, *Phlox*, *Polygonum*, *Rosa*, *Trifolium*, and *Verbena*. While many, and perhaps all, of these species of concern have neither been encountered by nor tested against LBAM as of yet, these plants are designated as potential hosts by the USDA due to their relatedness to known hosts in their respective genera and due to LBAM's ability to adapt to feeding on plants that it has not previously encountered. This adaptation also applies to the hosts of endangered and threatened insects listed below.

California has 22 state or federally listed threatened or endangered insects (CDFG 2008b). Nine of these insects (41 percent) feed on plants in genera that are recorded as LBAM hosts (Caterino 2008; USDA 2008a). These nine and their potentially affected host plants are the Bay checkerspot butterfly (host = *Plantago erecta*), Behren's silverspot butterfly (host = *Viola adunca*), Callippe silverspot butterfly (host = *Viola pedunculata*), Lotis blue butterfly (host = *Lotus formosissimus*), Mission blue butterfly (host = *Lupinus* spp.), Myrtle's silverspot butterfly (host = *Viola* spp., possibly only *V. adunca*), Oregon silverspot butterfly (host = *Viola adunca*), Quino checkerspot butterfly (host = *Plantago erecta*), and valley elderberry longhorn beetle (host = *Sambucus* spp.).

Also, because of LBAM's aforementioned ability to adapt to feeding on plants that it has not been exposed to before, other endangered plants and host plants of endangered species in additional genera may prove to be suitable LBAM hosts should this moth encounter them in the future.

1.1.3 Legislative and Regulatory Actions

In 2007, the State of California Legislature established Food and Agricultural Code Section 6050-6050.1. Section 6050 declares LBAM a clear, present, significant, and imminent danger to California's natural environment and agricultural industry. Section 6050.1 establishes the LBAM Eradication Program within the CDFA, which provides funding and other resources to support LBAM's eradication. The funds are allocated by the CDFA to counties for local assistance in eradicating LBAM. The county's board of supervisors will designate a local agency responsible for the activities associated with the eradication. The CDFA will annually review progress made by the local agencies and make recommendation as needed to improve eradication efforts. All eradication efforts will comply with applicable laws and regulations and will be performed in an environmentally responsible manner.

In 2007, APHIS' Administrator established Federal Order DA-2007-42 to establish restrictions on the interstate movement of a list of regulated articles from the states of California and Hawaii to prevent LBAM's spread (APHIS 2007a). The regulatory authority was provided by Section 412(a) of the Plant Protection Act of June 20, 2000, as amended, 7 United States Code (USC) 7712(a), which authorizes the Secretary of Agriculture to prohibit or restrict the movement in interstate commerce of any plant, plant part, or article if the Secretary determines that prohibition or restriction is necessary to prevent the distribution of a plant pest within the U.S. This order designated all of Hawaii and certain counties in California as quarantined areas. A detailed list of plants that could not be moved interstate from the quarantined areas was identified.

APHIS' Administrator has determined that the State of California has adopted and is enforcing restrictions similar to those established in the Order resulting in portions of the state being quarantined rather than the entire state. Temporary designation of quarantine areas may also be established preventing the interstate movement of the regulated article outside the area. These areas can be permanently added to the list of quarantine areas or terminated as determined by an inspector or the Administrator.

This order also describes the Conditions for Interstate Movement of Regulated Articles. To be eligible for interstate movement of plants, cut flowers, garlands, wreaths, or any greenery from plants that is located within 1.5 miles of a LBAM detection site the following conditions must be met:

- Trapping must occur on the premises and one trap must be distributed for every 5 acres. The traps must be inspected biweekly.
- Nurseries and cut flower farms must implement pest management programs and approved treatments to target LBAM.
- All shipments of articles must be inspected and can only be shipped if the articles are found free of all LBAM's life stages.

Similar restrictions apply to fruits and vegetables, bulk fresh herbs, and spices except exempted commodities. The main difference is that each premise must be inspected every 30 days prior to interstate movement. This inspection is in addition to the required trapping and shipment inspections described above.

The Cooperative Light Brown Apple Moth Quarantine Project (CLBAMQP), which includes the CDFA, Santa Cruz County Agricultural Commissioner, and USDA, has produced the *Regulatory Procedures Manual* for nurseries and other producers of plant and tree products (including green waste) for LBAM control (CLBAMQP 2008). The trapping and inspection procedures are very similar to those outlined in the Federal Order described above. The *Manual* also takes into account community gardens and green waste transporters inside the State Interior Quarantine area (California Code of Regulations [CCR] 3434); as well as harvested fruits and vegetables inside/outside a State Interior Quarantine area. The nurseries and other producers are categorized in more detail such as in regulated counties but outside the State Interior Quarantine area and the distance from the closest LBAM detection site proximity of 1.5 miles or longer but within the State Interior Quarantine area. All regulated fruits and vegetables leaving the State Interior Quarantine area must be inspected in intervals specified by the County Agricultural Commissioner or the CLBAMQP.

The *Manual* describes procedures for suspect LBAM collections and confirmed LBAM collections. If a suspect adult moth is found, no action is required until the moth is identified. If a suspect larva, pupa, or egg mass is collected, the lot must be put on hold until identification is confirmed. If an adult male is confirmed as LBAM, no action is required, but if an adult female, larva, pupa, or egg mass is confirmed, all plants on the premises must be put on hold, treated, and reinspected with negative finding before release or the treatment process must be repeated until negative findings are reached. The state has special protocols for infested nurseries within its area. The entire nursery is put on hold, infested plants may be destroyed, and all remaining plants must be treated and negative results of inspection of all plants must occur prior to release. In addition, LBAM flyers must be visible to customers as well as on the State Interior Quarantine map.

Procedures to issue compliance agreements for any nursery or growing location shipping intrastate as well as nonproducers shipping interstate and intrastate from a State Interior Quarantine area are also described in the *Manual*. Quarantine certifications or compliance agreements from the County Agricultural Commissioner must accompany all shipments including Christmas trees and green waste within the State Interior Quarantine area. Nonproducers shipping interstate and intrastate may enter into a compliance agreement and may be authorized to use a master quarantine certificate if receipt of commodities from the quarantine area are accompanied by a federal shield or other quarantine compliance certificate, or commodities are available for periodic inspections by the County Agricultural Commissioner or the CLBAMQP. Community gardens within the State Interior Quarantine area may be issued a compliance agreement by the County Agricultural Commissioner or CLBAMQP.

1.2 PROGRAM OBJECTIVES/PURPOSE AND NEED

The CDFA's objective is to eradicate LBAM from the state of California within 5 to 7 years of its introduction, by 2015. Initial efforts will be to contain the LBAM population and not allow LBAM to spread into adjacent counties. The CDFA will then suppress heavily infested areas around production nurseries, suppress and eradicate populations in outlying counties to remove these counties from regulation, and finally

eradicate populations throughout the state. Eradication is to be accomplished using a variety of tools with reliance primarily on biological control methods applied in an effective and environmentally safe manner.

The Program is needed to protect the state's native plants, forest species, agronomically important crops, and ornamental plants from damage by this invasive pest species. The CDFA must protect agriculture from invasive pests to protect the nation's food supply, the environment, and the economy. Furthermore, eradication of the pest within the state is needed to prevent its expansion to other states and other countries.

1.3 ALTERNATIVES CONSIDERED IN THIS PROGRAMMATIC ENVIRONMENTAL IMPACT REPORT

The CDFA proposes taking a systems approach over several years using multiple tools including chemical and nonchemical treatment alternatives, specifically the following: SIT, mating disruption pheromone, biological control, and/or insecticide treatments depending upon conditions at specific locations. Current regulatory programs would continue to slow LBAM's spread while eradication actions are implemented. This PEIR evaluates the potential for environmental impacts associated with the following alternatives, all of which are under consideration for use:

- **Sterile insect technology (SIT)** is being developed in Australia and California, and is to be available for initial implementation in California beginning in 2009 (limited releases) and in 2011 on a large scale. SIT could be used at any infested area and is applied aerially.
- The **mating disruption (MD) pheromone** attracts the male LBAMs and prevents them from mating with females but does not kill them. It is to be applied in three ways: for urban infestations and for small and isolated areas, a ground treatment tool using pheromone with twist ties or in a thick matrix applied to poles and trees; aerial application may be used for heavily infested, remote areas (heavily forested and agricultural).
- A **male moth attractant (MMA) treatment** using small amounts of pheromone and pesticide (permethrin) in a thick matrix, which is applied to poles and trees, is also being considered for use in nonurban areas.
- The proposed **biological control (Bio-P)** at present is the release of an egg parasitoid, which is a wasp (*Trichogramma* spp.). This technique may be used in all infested areas using ground application.
- **Foliar ground treatments (Btk or S)** targeting the insect larvae would use the organically approved biologically based pesticide *Bacillus thuringiensis kurstaki* (Btk) or spinosad, an insecticide. This would be by ground application in heavily infested areas.

Clearly define with maps and words "heavily infested, Remote, heavily forested and agricultural" and under what conditions would this change?

For ground applications to trees and utility poles on public and private property and aerial application of pheromone in remote areas, the treatment area is a 1.5-mile radius around each LBAM detection with a projected 30- to 90-day spray interval. For ground treatment using twist ties, 250 twist ties per acre in a 200-meter radius around each LBAM detection are applied and subsequently replaced every 3 to 6 months. Treatment areas may be adjusted to provide the public with identifiable treatment boundaries. After two life cycles of treatment without any LBAM detections, treatment would cease. Post-treatment monitoring traps will remain in place for one additional life cycle.

The No Program Alternative would be to continue and expand quarantine and detection and inspection activities but without the application of the pheromone or any other insecticides or the use of biological controls on an areawide basis by the USDA or CDFA. Restrictions on domestic and foreign trade would increase. Private individuals may utilize approved insecticides to control LBAM, but without a regional coordinated treatment program, LBAM would flourish in existing areas and spread to surrounding areas, with associated environmental impacts.

1.4 PUBLIC INVOLVEMENT

Public involvement for this PEIR includes the following actions.

1.4.1 Environmental Advisory Task Force

An Environmental Advisory Task Force was formed by the CDFA's Secretary to convey in-depth information to the public. The task force meets monthly, and its members are from a wide range of agencies and organizations. The task force will review the public Draft PEIR, but is not involved in the preparation of the Administrative Draft PEIR. The Task Force's missions are to communicate environmental concerns and research needs about the Program to the Secretary, help with the scoping of the PEIR, serve as liaison with key environmental groups, and provide public outreach (CDFA, EATF 2009).

1.4.2 Public Scoping for Programmatic Environmental Impact Report

The CDFA distributed a Notice of Preparation (NOP) of a Draft PEIR for the Program pursuant to the CEQA Guidelines (Section 15082) on February 8, 2008, to the State Clearinghouse and to 800 agencies and individuals, including 15 federal and state responsible and trustee agencies. A press release was distributed to 2,700 news organizations and individuals. Seven newspapers in the Program Area published the public scoping meeting information.³ The NOP provided a Program description, the location of Program activities, and the resources and environmental concerns planned for analysis in the PEIR. The NOP announced the public scoping meetings and requested that comments on the scope of the PEIR and the Program alternatives be submitted by March 20, 2008.

A second NOP was distributed on July 21, 2008, to address the expanded treatment area and changes to the proposed alternatives. The NOP announced more public scoping meetings and requested that comments on the scope of the PEIR and the Program alternatives be submitted by September 20, 2008.

The public scoping meetings were held at the following locations and times:

- Monterey Peninsula College, Monterey, on February 20, 2008, from 6:00 pm to 8:00 pm
- University Inn & Conference Center, Santa Cruz, on February 21, 2008, from 6:00 pm to 8:00 pm
- San Francisco County Fair Building Auditorium, San Francisco, on February 25, 2008, from 6:00 pm to 8:00 pm
- Ellis M Harris State Building Auditorium, Oakland, on February 26, 2008, from 6:30 pm to 8:30 pm
- Los Angeles Valley College, Valley Glen, on August 4, 2008, from 6:00 pm to 8:00 pm
- CDFA, Sacramento, on August 5, 2008, from 3:00 pm to 5:00 pm
- County Government Center, San Jose, August 18, 2008, from 6:00 pm to 8:00 pm

The Environmental Advisory Task Force met in Monterey, California, on February 21, 2008. Members were invited to provide comments on the scope of the PEIR at the meeting.

Comments were received from numerous federal, state, regional, and local agencies; environmental, medical, and consumer organizations; and individual members of the public. Many of the comment letters, as well as the oral comments received at the public scoping meetings, focused primarily on potential impacts on

³ *Berkeley Daily Planet, Contra Costa Times, Marin Independent Journal, Monterey Herald, Santa Cruz Sentinel, San Francisco Chronicle, Watsonville Register*

biological resources, water quality, and public safety. A summary of the comments received on the PEIR's scope follows:

- Clearly describe need for Program in California.
- Describe precisely where proposed methods of treatment would occur.
- Disclose all chemical and other components of treatment methods.
- Address short-term and long-term Program impacts on people and pets through all ingestion and absorption pathways, and proposed mitigation. In particular, address impacts on chemically sensitive people, pregnant women, the homeless, and sensitive populations such as at schools, daycares, hospitals, and nursing homes.
- Address impacts on biological resources including other insects, aquatic species, endangered and threatened species, plants and wildlife habitat, and food-chain impacts. Discuss persistence of all proposed treatment substances in environment, as well as potential for bioaccumulation.
- Address impacts on potable water supply and on water resources that support wildlife.
- Discuss impacts of wildfires from the Program and No Program alternatives.
- Consider nonchemical alternatives, including changes in farming practices.
- Describe potential impacts of the No Program Alternative, including impacts on agricultural production and trade, as well as potential for increased wildfires.

Comments received during the public scoping process that identify environmental concerns with potential impacts are summarized in Sections 1.4.3 (Areas of Controversy) and 1.5 (Environmental Concerns) below and are addressed in the PEIR environmental impact analyses and/or technical reports. Comments received that do not pertain to the PEIR process or content are summarized in the Scoping Summary Report. These non-PEIR comments deal with Program tools' effectiveness in LBAM's eradication from the state, implementation procedures, and post-treatment monitoring.

1.4.3 Areas of Controversy

The broad areas of greatest public controversy are:

- **Chemical Treatment and Application Methods.** The public is concerned about potential impacts of the pesticides used, including the active chemical ingredients and the inert ingredients in the formulations. Controversy exists over the chemicals to be used and their safety to the public, with all chemicals assumed by the public to have serious impacts to at least some segment of the population. Not only is the public concerned about impacts to humans but also to domestic animals and to wildlife that could come into contact with the material whether applied from the ground or from the air.
- **LBAM's Potential to Damage Agriculture and Horticulture.** The controversy is over the amount of damage LBAM would cause and whether it is as great as the CDFA has claimed, and whether it justifies large-scale eradication attempts with chemical treatments or whether it is minor and does not justify action by the CDFA. Damage to these industries is also quantified as including costs to comply with regulations to control LBAM's spread and the cost of damaged crops and plant materials that cannot be harvested and sold.
- **Emergency Action for Invasive Species Control and CEQA Compliance.** Initial efforts to control LBAM's spread were done as emergency actions not requiring immediate CEQA compliance in an environmental impact report. Given the CDFA's need to act quickly to control the invading pest and the public's desire for information on the impacts of the control and eradication measures through the CEQA process, how should pest invaders be managed and CEQA compliance activities completed? The CDFA

suspended chemical treatment activities in 2008 but continued with the trapping program to monitor the spread of the pest and quarantine regulations.

Section 1.5, Environmental Concerns, presents a summary of the environmental concerns by resource or issue area for analysis in the PEIR.

1.4.4 Distribution of the Programmatic Environmental Impact Report

The CDFA has distributed the Notice of Availability (NOA) of the Draft PEIR to the following agencies, organizations, and individuals where full names and addresses were provided to the CDFA. In addition, email addresses (without names) were also sent the NOA.

ACADEMIC CONTACTS, COLLEGE-LEVEL

Alhambra Unified School District, Donna Perez	South Orange County Community College District, Donald P. Wagner
Cal Poly - BioResource and Agricultural Engineering Department, Dr. Stuart W. Styles	South Orange County Community College District, John S. Williams
California Academy of Science	South Orange County Community College District, Marcia Milchiker
California Agricultural Teachers Association, Jim Aschwenden	Stanford University, Environmental Health and Safety Department
California Association of Professional Scientists, Kristen Haynie	Statewide IPM Program, University of California, Davis Cooperative Extension, Central Valley Region, Peter Goodell
California Association of Professional Scientists, Lisa Marie Burcar	System Office California Community Colleges, Tod A. Burnett
California Community Colleges, Njeri Griffin	The California State University Board of Trustees, A. Robert Linscheid
California Institute for Rural Studies, Ron Strohlic	UC Cooperative Extension - Monterey County, Sonya L Varea Hammond
California State University Agricultural Research, Joe A. Bezerra	UC Cooperative Extension Groundwater Hydrology Program, Thomas Harter
California State University Monterey Bay, Dianne Harrison	UC Cooperative Extension, Blaine Hanson
California State University Monterey Bay, Henrik Kibak	UC Cooperative Extension, David Goldhamer
California Weed Science Society, Judy Letterman	UC Cooperative Extension, Dr. Maria de la Fuente, Ph. D
Coast Community College District, Walter G. Howald	UC Cooperative Extension, Lisa Thompson
CSU Pomona, Sharon Roth	UC Cooperative Extension, Matt Portillo
CSU Pomona, Wayne Bidlack	UC Cooperative Extension, Melvin George
Desert Community College District, Jim Gray	UC Cooperative Extension, Steve Kaffka
Folsom Lake College, Dale Van Dam	UC Cooperative Extension, Susan Donohue
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Hartnell College, Manuel Bersamin	UC Davis - California Center for Urban Horticulture, Dave Fujino
Horticulture and Crop Science Department, California Polytechnic State University, David Headrick	UC Davis - Civil and Environmental Engineering, William Fleenor
Lake Tahoe Community College, Frederick "Fritz" Wenck	UC Davis - Land, Air, and Water Resources, Jan Hopmans
Los Angeles Trade Technology College, David Ysais	UC Davis - Land, Air, and Water Resources, Quingfu Xiao
Monterey County Agricultural Education Inc., Connie Quinlan	UC Davis - Land, Air, and Water Resources, Richard Snyder
Mt. San Antonio Community College, Rosanne Bader	UC Davis - Land, Air, and Water Resources, Steve Grattan
Natural Reserve System, University of California,	UC Davis Arboretum, Ellen Zagory
North Orange County Community College District, Manny Ontiveros	UC Davis Cooperative Extension, Kurt Richter
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**LIGHT BROWN APPLE MOTH ERADICATION PROGRAM
DRAFT PEIR**

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UCCE Contra Costa, Bethallyn Black
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Napa County, David Whitmer
Nevada County, Jeffrey Pylman
Orange County, Rick Le Feuvre
Placer County, Christine Turner
Plumas/Sierra County, Tim Gibson-Acting
Plumas-Sierra County, Karl Bishop
Plumas-Sierra County, Keith Mahan
Riverside County, John Snyder
Sacramento County, Frank E. Carl
San Benito County, Mark Tognazzini
San Benito County, Paul Matulich
San Bernardino County, Ed Layaye
San Bernardino County, John Gardner
San Diego County, Bob Atkins
San Francisco City and County, Miguel Monroy
San Francisco, Rajiv Bhatia
San Joaquin County, Gary Stockel
San Joaquin County, Scott Hudson
San Luis Obispo County, Robert Lilley
San Mateo County, Gail M. Raabe
Santa Barbara County, Bill Gillette
Santa Clara County, Greg Van Wassenhove
Santa Clara County, Kevin O'Day
Santa Cruz County, Ken Corbishley
Shasta County, Mary Pfeiffer
Siskiyou County, Pat Griffin
Solano County, Jim Allan
Sonoma County, Cathy Neville
Sonoma County, Lisa Correia
Sonoma County, Sefan Parnay
Stanislaus County, Dennis Gudge
Stanislaus County, Gary Caseri
Sutter County, Mark Brown
Sutter County, Mark Quisenberry
Tehama County, Rick Gurrola
Trinity County, Mark Lockhart
Tulare County, Gary Kunkel
Tuolumne County, Vicki Helmar
Ventura County, Earl McPhail

Ventura County, Henry S. Gonzales
Ventura County, Jim Delperdang
Yolo County, Rick Landon
Yuba County, Dennis Pooler
Yuba County, Kevin Roush
Yuba County, Louie Mendoza

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City of Alameda, Lena Tam
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City of Albany, Jewel Okawachi
City of Albany, Joanne Wile
City of Albany, Peggy Thomsen
City of Alhambra, Paul Talbot
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City of Aliso Viejo, Greg Ficke
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City of Antioch, Reginald Moore
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City of Bakersfield, Harold Hansen
City of Bakersfield, Jacquie Sullivan
City of Belmont, Coralin Feierbach
City of Belmont, Warren Lieberman
City of Belmont, William Dickenson
City of Belvedere, Jerry Butler
City of Belvedere, John Telischak
City of Belvedere, Sandra Donnell
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City of Berkeley, Gordon Wozniak
City of Berkeley, Jesse Arreguin
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City of Brentwood, Chris Becnel
City of Brentwood, Robert Brockman
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City of Brisbane, Michael G. Barnes
City of Brisbane, Steven W. Waldo
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City of Buellton, Ed Andrisek
City of Buellton, Victoria Pointer

City of Buena Park, Patsy Marshall
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City of Burlingame, Terry Nagel
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City of Camarillo, Jerry Bankston
City of Camarillo, Mike Morgan
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City of Campbell, Jason Baker
City of Campbell, Micheal Kotowski
City of Canyon Lake, John Zaitz
City of Capitola, Dennis Norton
City of Capitola, Ronald Graves
City of Carmel-by-the-Sea, Gerard A. Rose
City of Carmel-by-the-Sea, Karen Sharp
City of Carmel-by-the-Sea, Ken Talmage
City of Carpinteria, Al Clark
City of Carpinteria, Brad Stein
City of Carpinteria, Joe Armendariz
City of Cathedral City, Charles "Bud" England
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City of Chino Hills, Gary Larson
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City of Clayton, Howard Gellar
City of Clayton, Joe Medrano
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City of Concord, Helen Allen
City of Concord, Mark Peterson
City of Concord, William Shinn
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City of Daly City, David J. Canepa
City of Daly City, Maggie Gomez
City of Dana Point, Diane L. Harkey
City of Dana Point, Ingrid McGuire
City of Dana Point, James V. Lacy
City of Danville, Mike Doyle
City of Del Ray Oaks, Dennis G. Allion
City of Del Ray Oaks, Jeff Cecilio
City of Del Ray Oaks, Kristin A. Clark
City of Dublin, Don Biddle
City of Dublin, Kate Ann Scholz
City of Dublin, Tim Sbranti

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City of East Palo Alto, Laura Martinez
City of East Palo Alto, Peter Evans
City of El Cajon, W.E. "Bob" McClellan
City of El Cerrito, Ann Cheng
City of El Cerrito, Bill Jones
City of El Cerrito, Greg Lyman
City of Elk Grove, Michael P. Leary
City of Emeryville, John Fricke
City of Emeryville, Nora Davis
City of Emeryville, Ruth Atkin
City of Encinitas, Jerome Stocks
City of Fillmore, Jamie Brooks
City of Fillmore, Laurie Hernandez
City of Fillmore, Steve Conway
City of Fontana, Acquanetta Warren
City of Fontana, Janice Rutherford
City of Fort Bragg, Jere Molo
City of Foster City, Art Kiesel
City of Foster City, Linda Koelling
City of Foster City, Pam Frisella
City of Foster City, Rick Wykoff
City of Fountain Valley, Larry R. Crandall
City of Fowler, Rico Aguayo
City of Fremont, Bill Harrison
City of Fremont, Bob Wieckowski
City of Fremont, Suzanne Lee Chan
City of Fresno, Blong Xiong
City of Fullerton, Shawn Nelson
City of Galt, Tom Malson
City of Garden Grove, Janet Nguyen
City of Garden Grove, Mark Leyes
City of Gilroy, Bob Dillon
City of Gilroy, Cat Tucker
City of Gilroy, Craig Gartman
City of Gilroy, Dion Bracco
City of Gilroy, Perry Woodward
City of Gilroy, Peter Arellano, M.D.
City of Goleta, Eric Onnen
City of Goleta, Jean Blois
City of Goleta, Jonny Wallis
City of Gonzales, Lisa Senkir
City of Gonzales, Matt Gourley
City of Greenfield, Agapilo Vazquez
City of Greenfield, Annie Moreno
City of Greenfield, John Martinez
City of Greenfield, Yolanda Taneyugue
City of Gustine, Mark D. Melville
City of Half Moon Bay, Bonnie McClung
City of Half Moon Bay, Jim Grady
City of Half Moon Bay, Marina Fraser
City of Half Moon Bay, Naomi Patridge
City of Hayward, Anna Lavaria May
City of Hayward, Barbara Halliday

City of Hayward, Bill Quirk
City of Hayward, Bill Ward
City of Hayward, Doris Rodriguez
City of Hayward, Francisco Zermeno
City of Hayward, Kevin Dowling
City of Hayward, Olden Henson
City of Healdsburg, Lisa Wittke Schaffner
City of Hemet, Roger Meadows
City of Hercules, Donald Kuehne
City of Hercules, Ed Balico
City of Hercules, Joanne Ward
City of Highland, Larry McCallon
City of Huntington Beach, Don Hansen
City of Indian Wells, Mary T. Roche
City of Indian Wells, Robert A. Bernheimer
City of Irvine, Steven Choi
City of King City, John L. Myers
City of King City, Josephine Campos
City of King City, Marcelino Nuno
City of King City, Terry Hughes
City of Kingsburg, Dave Karstetter
City of Kingsburg, Paul Kruper
City of La Habra, Steve Anderson
City of La Habra, Tom Beamish
City of La Juanita, Terry Henderson
City of La Mesa, Ernest Ewin
City of La Mesa, Ruth Sterling
City of La Verne, Steven F. Johnson
City of Lafayette, Alex Schatz
City of Lafayette, Carl Anduri
City of Lafayette, Carol Federighi
City of Lafayette, Carolyn Cutler
City of Lafayette, Frank Phillips
City of Lafayette, Jay Ruggeri
City of Lafayette, Kerry Bensman
City of Lafayette, Mike Anderson
City of Laguna Beach, Cheryl Kinsman
City of Laguna Beach, Elizabeth Pearson-Schneider
City of Laguna Hills, Joel Lautenschlegger
City of Laguna Hills, Melody Carruth
City of Laguna Hills, Randal Bressette
City of Laguna Niguel, Joe Brown
City of Laguna Niguel, Paul G. Glaab
City of Lake Forest, Marcia Rudolph
City of Lake Forest, Richard Dixon
City of Lakewood, Diane DuBois
City of Lakewood, Joseph Esquivel
City of Lakewood, Larry Van Nostran
City of Larkspur, Kathy Hartzell
City of Larkspur, Lerry Chu
City of Larkspur, Ron Arlas
City of Lathrop, Robert K. Oliver
City of Lincoln, Primo Santini
City of Livermore, Doug Horner

City of Livermore, Jeff Williams
City of Livermore, Lorraine Dietrich
City of Livermore, Marj Leider
City of Lompoc, Ann Ruhge
City of Lompoc, Dewayne Holmadahl
City of Lompoc, Michael Siminski
City of Lompoc, Will Schuyler
City of Los Alamitos, Kenneth Parker
City of Los Altos Hills, Dean Warghawsy
City of Los Altos Hills, Mike O'Maley
City of Los Altos, David Casas
City of Los Altos, Lou Becker
City of Los Altos, Ron Packard
City of Los Altos, Val Carpenter
City of Los Gatos Councilmember, Diane McNutt
City of Los Gatos, Steve Glickman
City of Manteca, Debby Moorhead
City of Manteca, John Harris
City of Manteca, Steve DeBrum
City of Manteca, Vincent Hernandez
City of Marina, Frank O'Connell
City of Marina, Jim Ford
City of Marina, Ken Gray
City of Martinez, Janet Kennedy
City of Martinez, Lara DeLaney
City of Martinez, Mark Ross
City of Martinez, Michael Menesini
City of Menlo Park, Andrew M. Cohen
City of Menlo Park, John C. Boyle
City of Menlo Park, Kelly Fergusson
City of Mill Valley, Garry Lion
City of Mill Valley, Ken Wachtel
City of Mill Valley, Shawn E. Marshall
City of Millbrae, Daniel S. Quigg
City of Millbrae, Gina Papan
City of Millbrae, Marge Colapietro
City of Millbrae, Paul Seto
City of Milpitas, Althea Polanski
City of Milpitas, Armando Gomez
City of Milpitas, Debbie Giordano
City of Mission Viejo, John Paul Ledesma
City of Modesto, Kristin Olsen
City of Montclair, Bill Ruh
City of Montclair, Carolyn Raft
City of Monte Sereno, Lana Malloy
City of Monte Sereno, Susan Garner
City of Monterey Park, Betty Tom Chu
City of Monterey, Frank Sollecito
City of Monterey, Jeff Haferman
City of Monterey, Nancy Selfridge
City of Moorpark, Gary Lowenberg
City of Moorpark, Keith F. Millhouse
City of Moorpark, Roseann Mikos
City of Moreno Valley, Richard A. Stewart
City of Morgan Hill, Greg Sellers
City of Morgan Hill, Larry Carr
City of Morgan Hill, Marby Lee
City of Morgan Hill, Marilyn Librers
City of Morgan Hill, Mark Grzan
City of Moss Landing, Bill Phelps
City of Mountain View, Jac Siegel
City of Mountain View, Jon Inks
City of Mountain View, Laura Macias
City of Mountain View, Matt Pear
City of Mountain View, Mike Kasperzak
City of Mountain View, Nick Galiotto
City of Mountain View, Ronit Bryant
City of Mountain View, Tom Means
City of Newark, Alberto Huezo
City of Newark, Ana Apodaca
City of Newark, Luis Freitas
City of Newport Beach, Keith Curry
City of Newport Beach, Leslie Daigle
City of Norco, Herbert Higgins
City of Novato, Carol Knutson
City of Novato, Jeanne MacLeamy
City of Novato, Madeline Kellner
City of Novato, Pat Eklund
City of Oakland, Desley Brooks
City of Oakland, Ignacio De La Fuente
City of Oakland, Jane Brunner
City of Oakland, Jean Quan
City of Oakland, Larry Reid
City of Oakland, Nancy Nadel
City of Oakland, Patricia Kernighan
City of Oakley, Brand Nix
City of Oakley, Bruce Connelley
City of Oakley, Jim Frazier
City of Oakley, Kevin Romick
City of Ojai, Betsy Clapp
City of Ojai, Carol Smith
City of Ontario, Alan Wapner
City of Ontario, Debra Dorst-Porada
City of Ontario, Sheila Mautz
City of Orange Cove, Glenda Hill
City of Orinda, Amy Worth
City of Orinda, Steve Glazer
City of Orinda, Tom McCormick
City of Orinda, Victoria Smith
City of Oxnard, Bryan MacDonald
City of Oxnard, Dean Maulhardt
City of Oxnard, Dr. Irene Pinkard
City of Pacific Grove, Alen Cohen
City of Pacific Grove, Bill Kampe
City of Pacific Grove, Carmelita Garcia
City of Pacific Grove, Deborah Lindsay
City of Pacific Grove, Lisa Bennett
City of Pacifica, Jim Vreeland

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City of Pacifica, Pete DeJarnatt
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City of Palmdale, Mike Dispenza
City of Palmdale, Tom Lackey
City of Palo Alto, Greg Schmid
City of Palo Alto, John Barton
City of Palo Alto, Larry Klein
City of Palo Alto, Pat Burt
City of Palo Alto, Sid Espinosa
City of Palo Alto, Yiaway Yeh
City of Palo Alto, Yoriko Kishimoto
City of Pasadena, Chris Holden
City of Pasadena, Jacque Robinson
City of Pasadena, Margaret McAustin
City of Pasadena, Sid Tyler
City of Pasadena, Steve Madison
City of Pasadena, Victor Gordo
City of Petaluma, Mike Harris
City of Piedmont, Dean Barbieri
City of Piedmont, Garrett Keating
City of Piedmont, John Chiang
City of Piedmont, Margaret Fujioka
City of Pinole, Debbie Long
City of Pinole, Peter Murray
City of Pinole, Roy Swearingen
City of Pittsburg, Ben Johnson
City of Pittsburg, Michael Kee
City of Pittsburg, Will Casey
City of Placentia, Chris Lowe
City of Pleasant Hill, City Council
City of Pleasant Hill, David E. Durant
City of Pleasant Hill, John Hanecak
City of Pleasant Hill, Terri Williamson
City of Pleasanton, Cindy McGovern
City of Pleasanton, Jerry Thorne
City of Pleasanton, Matt Sullivan
City of Plymouth, Michael OMeara
City of Pomona, Paula Lantz
City of Port Hueneme, Doug A. Breeze
City of Port Hueneme, Maricela P. Morales
City of Port Hueneme, Sylvia Munoz Schnopp
City of Poway, Don Higginson
City of Rancho Cordova, Linda Budge
City of Rancho Cucamonga, Dennis Michael
City of Rancho Santa Margarita, Neil C. Blais
City of Redding, Dick Dickerson
City of Redondo Beach, Matthew J. Kilroy
City of Redwood City, Alicia C. Aguirre
City of Redwood City, Barbara Peirce
City of Redwood City, Ian Bain
City of Redwood City, Jeff Ira
City of Redwood City, Jim Hartnett
City of Reedley, Mary Fast

City of Reedley, Scott Brockett
City of Richmond, Harpreet Sandhu
City of Richmond, Jim Rogers
City of Richmond, Ludmyrna Lopez
City of Richmond, Maria Viramontes
City of Richmond, Nathaniel Bates
City of Richmond, Tom Butt
City of Ridgecrest, Steven P. Morgan
City of Riverside, Ed Adkison
City of Rocklin, Brett Storey
City of Rocklin, George Magnuson
City of Rocklin, Kathy Lund
City of Rolling Hills Estates, Frank V. Zerunyan
City of Rolling Hills Estates, John C. Addleman
City of Sacramento, Robbie Waters
City of Salinas, Gloria De La Rosa
City of Salinas, Janet Burnes
City of Salinas, Jyl Lutes
City of Salinas, Steven Villegas
City of Salinas, Tong Barrera
City of San Bruno, Irene OConnell
City of San Bruno, Ken Ibarra
City of San Bruno, Rico Medina
City of San Carlos, Brad Lewis
City of San Carlos, Matt Grocott
City of San Carlos, Omar Ahmad
City of San Clemente, Steven C. Knoblock
City of San Clemente, Susan Ritschel
City of San Diego, Brian Maienschein
City of San Diego, Jim Madaffer
City of San Gabriel, Harry Baldwin
City of San Jacinto, Chris Buydos
City of San Jose, Ash Kalra
City of San Jose, Forrest Williams
City of San Jose, Judy Chirco
City of San Jose, Kansen Chu
City of San Jose, Madison Nguyen
City of San Jose, Nancy Pyle
City of San Jose, Nora Campos
City of San Jose, Pete Constant
City of San Jose, Pierluigi Oliverio
City of San Jose, Rose Herrera
City of San Jose, Sam Liccardo
City of San Leandro, Diana Souza
City of San Leandro, Jim Prola
City of San Leandro, Joyce Starosciak
City of San Leandro, Michael Gregory
City of San Leandro, Surlene Grant
City of San Leandro, Ursula Reed
City of San Mateo, Frederick Arn Hansson
City of San Mateo, Jack Mathews
City of San Mateo, Jan Epstein
City of San Pablo, Arturo M. Cruz
City of San Pablo, Cecilia Valdez

City of San Pablo, Paul Morris
City of San Rafael, Barbara Heller
City of San Rafael, Cyr N. Miller
City of San Rafael, Damon Connolly
City of San Rafael, Greg Brockbank
City of San Ramon, Carol Rowley
City of San Ramon, Scott Perkin
City of San Ramon, Scott Perkins
City of Sand City, Craig Hubler
City of Sand City, David Pendergrass
City of Sand City, Michael Morris
City of Santa Ana, Alberta Christy
City of Santa Ana, Carlos Bustamante
City of Santa Barbara, Dale Francisco
City of Santa Barbara, Helene Schneider
City of Santa Barbara, Iya Falcone
City of Santa Clara, Dominic Caserta
City of Santa Clara, Jamie McLeod
City of Santa Clara, Joe Kornder
City of Santa Clara, Kevin Moore
City of Santa Clara, Will Kennedy
City of Santa Clarita, Bob Kellar
City of Santa Cruz, Don Lane
City of Santa Cruz, Ed Porter
City of Santa Cruz, Katherine Beiers
City of Santa Cruz, Lynn Robinson
City of Santa Cruz, Ryan Coonerty
City of Santa Cruz, Tony Madrigal
City of Santa Maria, Alice Patino
City of Santa Maria, Hilda Vela Zacarias
City of Santa Maria, Leo Trujillo
City of Santa Paula, Dr. Gabino Aguirre
City of Santa Paula, Fred W. Robinson
City of Santa Paula, Robert S. Gonzales
City of Saratoga, Howard Miller
City of Saratoga, Jill Hunter
City of Saratoga, Susie V. Nagpal
City of Sausalito, Herb Weiner
City of Sausalito, Jonathan Leone
City of Sausalito, Mike Kelly
City of Scotts Valley, Dene Busitichi
City of Scotts Valley, Donna Lind
City of Scotts Valley, Jim Reed
City of Scotts Valley, Stephany E. Aguilar
City of Seaside, Dennis Alexander
City of Seaside, Ian Oglesby
City of Seaside, Thomas Mancini
City of Simi Valley, Glen T. Becerra
City of Simi Valley, Michelle S. Foster
City of Simi Valley, Steven T. Sojka
City of Soledad, Christopher Bourke
City of Soledad, Juan Saavedra
City of Soledad, Martha Camacho
City of Soledad, Pat Stephens
City of Soledad, Steve Bloomer
City of Solvang, Eugene Boyle
City of Solvang, Jim Richardson
City of Solvang, Ken Palmer
City of Sonoma, August Sebastiani
City of Sonoma, Joanne Sanders
City of Sonoma, Laurie Gallian
City of South Lake Tahoe, John Upton
City of South Lake Tahoe, Kathay Lovell
City of South Pasadena, DAVID MARGRAVE
City of South San Francisco, Kevin Mullin
City of South San Francisco, Mark Addiego
City of South San Francisco, Pedro Gonzalez
City of South San Francisco, Rich Garbarino
City of Stanton, Al Ethans
City of Stockton, Clem Lee
City of Sunnyvale, Christopher Moylan
City of Sunnyvale, David Whittum
City of Sunnyvale, John Howe
City of Sunnyvale, Melinda Hamilton
City of Sunnyvale, Otto Lee
City of Tehachapi, Linda S. Vernon
City of Thousand Oaks, Andrew P. Fox
City of Thousand Oaks, Claudia Bill-de la Pena
City of Thousand Oaks, Jacqui V. Irwin
City of Torrance, Paul M. Nowatka
City of Turlock, Kurt Vander Weide
City of Tustin, Jerry Amante
City of Tustin, Lou Bone
City of Tustin, Tony Kawashima
City of Union City, Jim Navarro
City of Union City, Manny Fernandez
City of Union City, Richard Valle
City of Upland, Kenneth W. Willis
City of Upland, Ray Musser
City of Vallejo, Gerald R. Davis
City of Ventura, Brian Brennan
City of Ventura, Carl E. Morehouse
City of Ventura, Ed Summers
City of Ventura, James L. Monahan
City of Ventura, Neal Andrews
City of Victorville, Bob Hunter
City of Villa Park, Bob Fauteaux
City of Villa Park, Richard A. Freschi
City of Visalia, Bob Link
City of Visalia, Don Landers
City of Visalia, Greg Kirkpatrick
City of Walnut Creek, Bob Simmons
City of Walnut Creek, Charlie Abrams
City of Walnut Creek, Cindy Silva
City of Walnut Creek, Susan Rainey
City of Walnut, Joaquin Lim
City of Watsonville, Antonio Rivas
City of Watsonville, Edward Din

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City of Watsonville, Greg Caput
City of Watsonville, Kimberly Petersen
City of Watsonville, Luis Alejo
City of Watsonville, Manuel Bersamin
City of Watsonville, Oscar Rios
City of Westlake Village, Robert Slavin
City of Westminster, Frank Fry
Contra Costa County, Federal Glover
Contra Costa County, Gayle Uilkema
Contra Costa County, John Gioia
Contra Costa County, Mary Piepho
Contra Costa County, Susan Bonilla
County of Santa Cruz, Neal Coonerty
Marin County, Charles McGlashan
Marin County, Harold C. Brown Jr.
Marin County, Judy Arnold
Marin County, Steve Kinsey
Marin County, Susan L. Adams
Monterey County, Dave Potter
Monterey County, Fernando Armenta
Monterey County, Jerry Smith
Monterey County, Louis R. Calcagno
Monterey County, Simon Salinas
Newport Beach, Tod W. Ridgeway
Office of Alameda County Supervisor Alice Lai-Baker,
Ruben Briones
Office of Alameda County Supervisor Keith Carson,
Andy DeReyes
Office of Alameda County Supervisor Nate Miley, Seth Kaplan
Office of Supervisor Alameda County Supervisor Gail Steele,
Mark Weinberger
San Francisco City and County, Aaron Peskin
San Francisco City and County, Bevan Dufty
San Francisco City and County, Carmen Chu
San Francisco City and County, Chris Daly
San Francisco City and County, David Campos
San Francisco City and County, David Chiu
San Francisco City and County, David Noyola
San Francisco City and County, Gerardo Sandoval
San Francisco City and County, Jake McGoldrick
San Francisco City and County, John Avalos
San Francisco City and County, Michela Alioto-Pier
San Francisco City and County, Rose Chung
San Francisco City and County, Ross Mirkarimi
San Francisco City and County, Sean Elsbernd
San Francisco City and County, Sophie Maxwell
San Francisco City and County, Tom Ammiano
San Mateo County, Adrienne Tissier
San Mateo County, Jerry Hill
San Mateo County, Mark Church
San Mateo County, Richard Gordon
San Mateo County, Rose Jacobs Gibson
Santa Clara County, Blanca Alvarado
Santa Clara County, Donald Gage
Santa Clara County, Ken Yeager
Santa Clara County, Liz Kniss
Santa Clara County, Pete McHugh
Santa Cruz County, Ellen Pirie
Santa Cruz County, Janet K. Beautz
Santa Cruz County, Mark W. Stone
Santa Cruz County, Tony Campos
Solano County, Mike Reagan
Town of Apple Valley, Timothy J. Jasper
Town of Atherton, Charles E. Marsala
Town of Atherton, Elizabeth Lewis
Town of Atherton, Jim Dobbie
Town of Atherton, Kathy McKeithen
Town of Colma, Diana Colvin
Town of Colma, Frossanna “Fro” Vallerga
Town of Colma, Helen Fiscaro
Town of Colma, Joanne del Rosario
Town of Colma, Joseph Silva
Town of Colma, Raquel Rae Gonzales
Town of Corte Madera, Alexandra Cock
Town of Corte Madera, Bob Ravasio
Town of Corte Madera, Carla Condon
Town of Corte Madera, Michael Lappert
Town of Danville, Candace Anderson
Town of Danville, Karen Stepper
Town of Danville, Michael Shimansky
Town of Fairfax, Larry Bragman
Town of Fairfax, Lew Tremaine
Town of Fairfax, Mary Ann Maggiore
Town of Fairfax, Susan Brandborg
Town of Hillsborough, City Council
Town of Hillsborough, Jess E. Benton
Town of Hillsborough, John Fannon
Town of Hillsborough, Paul Regan
Town of Hillsborough, Thomas Kasten
Town of Loomis, Miguel Ucoyich
Town of Los Altos Hills, Brene Kerr
Town of Los Altos Hills, Ginger Summit
Town of Los Altos Hills, Rich Larsen
Town of Los Gatos, Barbara Spector
Town of Los Gatos, Joe Pirzynski
Town of Los Gatos, Steve Rice
Town of Moraga, Howard Harpham
Town of Moraga, Karen Mendonca
Town of Moraga, Ken Chew
Town of Moraga, Michael Metcalf
Town of Moraga, Rochelle Bird
Town of Portola Valley, Maryann Moise Derwin
Town of Portola Valley, Richard Merk
Town of Portola Valley, Steve Toben
Town of Portola Valley, Ted Driscoll
Town of Ross, Christopher Martin
Town of Ross, Diane Purst
Town of Ross, Michael Skall

Town of Ross, Richard Strauss
Town of Ross, Scott Hunter
Town of San Anselmo, Barbara Thornton
Town of San Anselmo, Ford Greene
Town of San Anselmo, Judy House
Town of San Anselmo, Ted Freeman
Town of Tiburon, Jeff Slavitz
Town of Tiburon, Miles Berger
Town of Tiburon, Richard Collins
Town of Tiburon, Tom Gram
Town of Windsor, Lynn Morehouse
Town of Woodside, Carroll Ann Hodges
Town of Woodside, Dave Burrow
Town of Woodside, Dave Tanner
Town of Woodside, Deborah Gordon
Town of Woodside, Ron Romines
Town of Woodside, Susan Boynton
Town of Yucca Valley, Frank J. Luckino

CITY MANAGERS/COUNTY ADMINISTRATORS

Alameda County, Susan Muranishi
City of Alameda, Ann Marie Gallant
City of Alameda, Lisa Goldman
City of Albany, Beth Pollard
City of American Canyon, Richard Ramirez
City of Anderson, Scott Morgan
City of Antioch, Jim Jakel
City of Bellflower, Michael Egan
City of Belmont, Jack Crist
City of Belvedere, George Rodericks
City of Benicia, Jim Erickson
City of Berkeley, Lisa Caronna
City of Berkeley, Phil Kamlarz
City of Brentwood, Donna Landeros
City of Brisbane, Clayton Holstein
City of Buellton, Steve Thompson
City of Burlingame, Jim Nantell
City of Calistoga, McCann James
City of Campbell, Daniel Rich
City of Capitola, Richard Hill
City of Carmel-by-the-Sea, Heidi Burch
City of Carmel-by-the-Sea, Rich Guillen
City of Carpinteria, Dave Durlflinger
City of Clayton, Gary Napper
City of Cloverdale, Nina Regor
City of Concord, Daniel E. Keen
City of Cotati, Dianne Thompson
City of Cupertino, David Knapp
City of Daly City, Patricia Martel
City of Del Ray Oaks, Ron Langford
City of Dublin, Joni Patillo
City of East Palo Alto, Alvin James
City of El Cerrito, Scott Hanin
City of Emeryville, Patrick O'Keeffe

City of Foster City, Jim Hardy
City of Foster City, Kristi Chapelle
City of Fremont, Fred Diaz
City of Fremont, Melissa Stevenson Dile
City of Gilroy, Tom Haglund
City of Goleta, Daniel Singer
City of Gonzales, Rene Mendez
City of Greenfield, Rodger Wong
City of Half Moon Bay, Michael Dolder
City of Hayward, Greg Jones
City of Healdsburg, Marjie Pettus
City of Hercules, Nelson Oliva
City of Hollister, Clint Quilter
City of King City, Michael Powers
City of Lafayette, Steven Falk
City of Lakewood, Howard Chambers
City of Larkspur, Jean Bonander
City of Livermore, Linda Barton
City of Lompoc, Laurel Barcelona
City of Long Beach, Patrick West
City of Los Altos, Lexi Character
City of Marina, Anthony Altfald
City of Martinez, Philip Vince
City of Marysville, Steve Casey
City of Menlo Park, Glen Rojas
City of Mill Valley, Anne Montgomery
City of Millbrae, Jeff Killian
City of Millbrae, Marcia Raines
City of Milpitas, Thomas Williams
City of Monte Sereno, Brian Loventhal
City of Monterey, Fred Cohn
City of Monterey, Fred Meurer
City of Moorpark, Steven Kueny
City of Morgan Hill, J. Edward Tewes
City of Mountain View, Kevin Duggen
City of Newark, John Becker
City of Novato, Frank S. Michael
City of Oakland, Dan Lindheim
City of Oakland, Niccolo De Luca
City of Oakley, Bryan Montgomery
City of Ojai, Jere A. Kersner
City of Ontario, Gregory Devereaux
City of Orinda, Janet Keeter
City of Oxnard, Edmund E. Sotelo
City of Pacific Grove, Wiseman Charlene
City of Pacifica, Stephen Rhodes
City of Palmdale, Steve Williams
City of Palo Alto, Jim Keene
City of Parlier, Lou Martinez
City of Pasadena, Michael S. Beck
City of Petaluma, John C. Brown
City of Piedmont, Geoffrey Grote
City of Pinole, Belinda B. Espinoza
City of Pittsburg, Marc Grisham

**LIGHT BROWN APPLE MOTH ERADICATION PROGRAM
DRAFT PEIR**

City of Pleasant Hill, June Catalano
City of Pleasanton, Nelson Fialho
City of Port Hueneme, Dave Norman
City of Redwood City, Peter Ingram
City of Reedley, Rocky D. Rogers
City of Richmond, Bill Lindsay
City of Rio Vista, Hector De La Rosa
City of Rohnert Park, David Schwarz
City of Salinas, Artie Fields
City of San Bruno, Connie Jackson
City of San Carlos, Mike Weiss
City of San Juan Bautista, Steve Julian
City of San Jose, Debra Figone
City of San Leandro, Stephen Hollister
City of San Mateo, Susan M. Loftus
City of San Pablo, Brock Arner
City of San Rafael, Jim Schutz
City of San Rafael, Ken Nordhoff
City of San Ramon, Herb Moniz
City of Sand City, Steve Matarazzo
City of Santa Barbara, James Armstrong
City of Santa Clara, Jennifer Sparaciano
City of Santa Cruz, Richard C. Wilson
City of Santa Maria, Tim Ness
City of Santa Paula, Wally Bobkiewics
City of Saratoga, Dave Anderson
City of Sausalito, Adam Politzer
City of Scotts Valley, Steve Ando
City of Seaside, Ray Corpuz
City of Sebastopol, Griffin Jack
City of Simi Valley, Mike Sedell
City of Soledad, Adela Gonzalez
City of Solvang, Bradley Vidro
City of Sonoma, Linda Kelly
City of South San Francisco, Barry Nagel
City of Sunnyvale, Gary Luebbers
City of Thousand Oaks, Scott Mitnik
City of Union City, Larry Cheeves
City of Vacaville, Laura Kuhn
City of Vallejo, Robert F. D. Adams
City of Ventura, Rick Cole
City of Walnut Creek, Gary Pokorny
City of Watsonville, Carlos Palacios
City of Watsonville, Marcella Tavantzis
Contra Costa County, David Twa
Marin County, Matthew Hymel
Monterey County, Lew C. Bauman
Napa County, Nancy Watt
San Benito County, Thompson Susan
San Francisco City and County, Edwin Lee
San Mateo County, David S. Boesch
Santa Barbara County, Michael Brown
Santa Clara County, Gary Graves
Santa Cruz County, Susan Mauriello

City of Santa Rosa, Jeff Kolin
Solano County, Michael Johnson
Sonoma County, Bob Deis
Town of Atherton, Jerry Gruber
Town of Colma, Laura Allen
Town of Corte Madera, David Bracker
Town of Danville, Joe Calabrigo
Town of Fairfax, Michael Rock
Town of Hillsborough, Anthony Constantouros
Town of Los Altos Hills, Carl C Cahill
Town of Los Gatos, Greg Larson
Town of Moraga, Mike Segrest
Town of Portola Valley, Angela Howard
Town of Ross, Gary Broad
Town of San Anselmo, Debra Stutsman
Town of Tiburon, Margaret Curran
Town of Windsor, J. Matthew Mullan
Town of Woodside, Susan George
Town of Yountville, Steven Rogers

COUNTY DEPARTMENTS

Alameda County Department of Environmental Health,
Ariu Levi
Alameda County Department of Public Health, Sherri Willis
Alameda County Health Agency, David Kears
Alameda County, Alice Lai-Bitker
Alameda County, Amy De Reyes
Alameda County, Anthony Iton, M.D.
Alameda County, Chris Bazar
Alameda County, Crystal Hishida
Alameda County, Daniel Wilson
Alameda County, Gail Steele
Alameda County, Keith Carson
Alameda County, Laura Lloyd
Alameda County, Mark Weinberger
Alameda County, Nate Miley
Alameda County, Ruben Briones
Alameda County, Scott Haggerty
Alameda County, Scott Paulsen
Alameda County, Seth Kaplan
Alameda County, Susan Muranishi
Alisal Union School District, Sonia Aramburo
Amador County District Attorney's Office, Todd D. Riebe
AMBAG, Mark Griffin
Butte County Agricultural Department, Katherine Quist
Butte County Resource Conservation District, Alexis Vertolli
Butte County Resource Conservation District, Pia Sevelius
Butte County, Bill Connelly
Butte County, Curt Josiassen
Butte County, Jane Dolan
Calaveras County Sheriff's Department, Dennis Downum
Calaveras County, Grant W. Metzger
California State Association of Counties, Karen Keene
California State Association of Counties, Roger Dickinson
Central County Fire Department, John Parkin

Colusa County, David G. Womble
Colusa County, Scott Marshall
Contra Costa County, Bill Pollacek
Contra Costa County, David Twa
Contra Costa County, Ed Meyer
Contra Costa County, Federal Glover
Contra Costa County, Gayle Uilkema
Contra Costa County, John Cullen
Contra Costa County, John Gioia
Contra Costa County, Mary Piepho
Contra Costa County, Matthew Slattengren
Contra Costa County, Michael Kent
Contra Costa County, Susan Bonilla
Contra Costa County, Terrance Cheung
Contra Costa County, Warren E. Rupf
Contra Costa County, Wendell Brunner, MD
Contra Costa County, William Walker
Contra Costa District Attorneys' Office, Bob Kochly
County of Sacramento, Kenneth Stieger
Del Norte County Sheriff's Office, Dean D. Wilson
Del Norte County, Glenn Anderson
East Bay Regional Parks, Nancy Brownfield
Echo Valley Elementary School, Adriana Melgoza
El Concilio Calworks, Angel Jimenez, Jr.
El Dorado County Sheriff's Office, Jeff Neves
Fresno County Board of Supervisors, Phil Larson
Fresno County Office of Education, Dr. Peter G. Mehas
Fresno County, Carol Hafner
Humboldt County, Roger Rodoni
Imperial County, Gary Wyatt
Imperial County, Harold Carter
Inyo County, Linda Arcularius
Kern County Commissioner's Office, Myron Kimmel
Kern County District Attorney's Office, Ed Jagels
Kern County Sheriff's Department, Mack Wimbish
Kern County, Barbara Patrick
Kern County, First District, Jon McQuiston
Kern County, Ray Watson
Kings County, Ron Calhoun
Land Trust for Santa Barbara County, Michael Feeney
Lassen County, Brian Dahle
Los Angeles County District Attorneys Office, Steve Cooley
Los Angeles County Sheriff's Office, Lee Baca
Los Angeles County, Don Knabe
Los Angeles County, Michael Antonovich
Los Angeles County, Richard Espinosa
Los Angeles County, Tony Bell
Los Angeles County, William Fujioka
Los Angeles County, Zev Yaroslavsky
Madera County, Tanna G. Boyd
Marin County - Supervisor Charles McGlashan, Leslie Alden
Marin County, Anju Goel
Marin County, Charles McGlashan (President)
Marin County, Fred Schwartz, M.D.
Marin County, Harold C. Brown Jr.
Marin County, Judy Arnold
Marin County, Larry Meredith Ph.D.
Marin County, Matthew Hymel
Marin County, Robert T. Doyle
Marin County, Steve Kinsey
Marin County, Susan L. Adams
Marin County, Susannah Clark
Mariposa County District 5, Bob Pickard
Mariposa County, Bob Brown
Mendocino County, Jim R. Wattenburger
Merced County, Deidre F. Kelsey
Merced County, Kathleen M. Crookham
Merced County, Mike Nelson
Modoc County Sheriff's Department, Bruce Mix
Mono County, Daniel A. Paranic
Monterey County Business Council, Bob Rice
Monterey County Business Council, Mary Ann Leffel
Monterey County Health Department, Hugh F. Stallworth
Monterey County Hospitality Association, Mark Bastis
Monterey County Office of Education, Nancy Kotowski
Monterey County Sherriff's Office, Mike Kanalakis
Monterey County, Dave Potter
Monterey County, Fernando Armenta
Monterey County, Heather Healy
Monterey County, Jane Parker
Monterey County, Kathleen Lee
Monterey County, Louis R. Calcagno
Monterey County, Nick Chiulos
Monterey County, Simon Salinas
Napa County Sheriff's Department, Gary L. Simpson
Napa County, Bill Dodd
Napa County, Harold Moskowite
Napa County, Mark Luce
Nevada County Sheriff's Office, John Spencer
Nevada County Sheriff's Office, Keith Royal
Nevada County, Sue Horne
North Orange County Community College District,
Manny Ontiveros
Ojai Valley Municipal Advisory Council, Steve Offerman
Orange County Board of Education, Alexandria Coronado
Orange County Board of Education, Elizabeth Dorn Parker
Orange County Sanitation District, James M. Ferryman
Orange County Sheriff's Department, Mike Carona
Orange County Superintendent of Schools, Bill Habermehl
Orange County, John M. Moorlach
Orange County, John S. Williams
Orange County, Tom Wilson
Placer County Board of Supervisors, Roger Canfield
Placer County, Bruce Kranz
Placer County, Jim Holmes
Placer County, Robert M. Weygandt
Placer County, Rocky Rockholm
Placer County, Ted Gaines
Plumas-Sierra County, Tim Gibson-Acting

**LIGHT BROWN APPLE MOTH ERADICATION PROGRAM
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Plumas-Sierra County, Karl Bishop
Riverside Board of Education, Lynne D. Craig
Riverside County, Bob Doyle
Riverside County, Dr. David Long
Riverside County, Grover Trask
Riverside County, Jeff Stone
Riverside County, John Tavaglione
Riverside County, Marion Ashley
Riverside County, Roy Wilson
Sacramento County, Don Nottoli
Sacramento County, Susan Peters
San Benito County, Anthony Botelho
San Benito County, Mark Tognazzini
San Bernardino County, Bill Postmus
San Bernardino County, Dennis Hansberger
San Bernardino County, Dick Larsen
San Bernardino County, Ed Layaye
San Bernardino County, Gretchen Ramos
San Bernardino County, Josie Gonzales
San Bernardino County, Paul Biane
San Diego County District Attorney's Office,
Bonnie M. Dumanis
San Diego County Sheriff's Department, Jackie Cruz
San Diego County, Bill Horn
San Diego County, Diane Jacob
San Diego County, Greg Cox
San Diego County, Gregory Smith
San Diego County, Office of Education, Bob Watkins
San Diego County, Pam Slater-Price
San Diego County, Ron Roberts
San Diego County, Walter Ekard
San Diego Sheriff's Department, William B. Kolender
San Francisco City and County - Department of Public Health,
Rajiv Bhatia, MD
San Francisco City and County - Office of Supervisor Alioto-
Pier, Cammy Blackstone
San Francisco City and County - Supervisor s Bevan Dufty,
Rachel Brodwin
San Francisco City and County - Supervisors Carmen Chu,
Katy Tang
San Francisco City and County Mayor's office, Catherine Dodd
San Francisco City and County, Aaron Peskin
San Francisco City and County, Bevan Dufty
San Francisco City and County, Carmen Chu
San Francisco City and County, Chris Daly
San Francisco City and County, David Campos
San Francisco City and County, David Chiu
San Francisco City and County, David Noyola
San Francisco City and County, Edwin Lee
San Francisco City and County, Emily Rogers
San Francisco City and County, Eric Mar
San Francisco City and County, Gavin Newsom
San Francisco City and County, Gerardo Sandoval
San Francisco City and County, Jake McGoldrick
San Francisco City and County, John Avalos
San Francisco City and County, Jonathan Lau
San Francisco City and County, Jonathan Lyens
San Francisco City and County, Michela Alioto-Pier
San Francisco City and County, Mitchell H. Katz, MD
San Francisco City and County, Myisha Hervey
San Francisco City and County, Nicholas Kinsey
San Francisco City and County, Nicolas King
San Francisco City and County, Pilar Schiavo
San Francisco City and County, Rachel Redondiez
San Francisco City and County, Rebekah Krell
San Francisco City and County, Rose Chung
San Francisco City and County, Ross Mirkarimi
San Francisco City and County, Scott Paulsen
San Francisco City and County, Sean Elsbernd
San Francisco City and County, Sophie Maxwell
San Francisco City and County, Stephanie Tucker
San Francisco City and County, Zach Tuller
San Francisco County Department of Public Health, Paula Jones
San Joaquin County, Gary W. Freeman
San Mateo County - Office of Supervisors, Eric Pawlowsky
San Mateo County Mosquito Abatement District,
Chindi Peavey, Ph.D.
San Mateo County, Adrienne Tissier
San Mateo County, William Chiang
San Mateo County, Carole Groom
San Mateo County, Catherine Perry
San Mateo County, Charlene Silva
San Mateo County, Jean Fraser
San Mateo County, John Maltbie
San Mateo County, Mark Church
San Mateo County, Preston Burnes
San Mateo County, Richard Gordon
San Mateo County, Rose Jacobs Gibson
Santa Barbara Botanic Garden, Edward L. Schneider, Ph.D.
Santa Barbara County, Admin
Santa Barbara County, Brooks Firestone
Santa Barbara County, Daniel Hernandez
Santa Barbara County, Janet Wolf
Santa Barbara County, Joni Gray
Santa Barbara County, Joseph Centeno
Santa Barbara County, Mike Stoker
Santa Barbara County, Salud Carbajal
Santa Barbara Health Dept., Elizabeth Snyder
Santa Clara County Board of Education, Bill Evers
Santa Clara County Board of Education, T.N. Ho
Santa Clara County Sheriff's Office, Laurie Smith
Santa Clara County, Blanca Alvarado
Santa Clara County, Dave Corteses
Santa Clara County, Donald Gage
Santa Clara County, Eric Wylde
Santa Clara County, George Shirakawa
Santa Clara County, Ken Yeager
Santa Clara County, Liz Kniss
Santa Clara County, Marty Fenstersheib
Santa Clara County, Peter Kutras
Santa Cruz County - 3rd District, Rachel Dann

Santa Cruz County, Carol Girvetz
 Santa Cruz County, Ellen Pirie
 Santa Cruz County, Fred Keeley
 Santa Cruz County, Irma Marquez
 Santa Cruz County, Janet Beautz
 Santa Cruz County, Jason Heath
 Santa Cruz County, John Leopold
 Santa Cruz County, Mark W. Stone
 Santa Cruz County, Neal Coonerty
 Santa Cruz County, Susan Mauriello
 Santa Cruz County, Tony Campos
 Santa Cruz County Health Services Agency, Robert Kennedy
 Santa Cruz County Health Services Agency, Poki Stewart Namkung
 Shasta County, Glenn Hawes
 Shasta County, Larry Lees
 Shasta County, Patricia Clarke
 Sierra County, Lee Adams III
 Sierra County, Peter W. Huebner
 Solano County District 1, Barbara Kondylis
 Solano County, Mike Reagan
 Sonoma County, Bob Deis
 Sonoma County, Efren Carrillo
 Sonoma County, Lisa Correia
 Sonoma County, Mike Kerns
 Sonoma County, Paul Kelley
 Sonoma County, Sefan Parnay
 Sonoma County, Shirlee Zane
 Sonoma County, Valerie Brown
 South Orange County Community College Board, Nancy Padberg
 South Orange County Community College District, Donald P. Wagner
 South Orange County Community College District, John S. Williams
 South Orange County Community College District, Marcia Milchiker
 Southern Kern Unified School District, Olaf Landsgaard
 Stanislaus County, Jeff Grover
 Stanislaus County, Jim De Martini
 Stanislaus County, Ray Simon
 Stanislaus County, Tom Mayfield
 Stanislaus County, William "Bill" O'Brien
 Sutter County, Dennis C. Nelson
 Sutter County, James Gallagher
 Sutter County, Jim Whiteaker
 Sutter County, Michael Kinnison MD
 Tehama County, Clay Parker
 Tulare County District Attorney, Phil Cline
 Tulare County Farm Service Agency, Kaye Rydberg
 Tulare County Sheriff's Dept., Bill Wittman
 Tulare County, Allen Ishida
 Tulare County, Jeff Forbes
 Tulare County, Pete Vander Poel
 Tulare County, Steve Worthley

Ventura County Economic Development Association, William Buratto
 Ventura County, Barry Fisher
 Ventura County, John C. Zaragoza
 Ventura County, John Flynn
 Ventura County, Kathy Long
 Ventura County, Linda Parks
 Ventura County, Marty Robinson
 Ventura County, Matt Carroll
 Ventura County, Michael Powers
 Ventura County, Peter C. Foy
 Ventura County, Robert Levin MD
 Ventura County, Steve Bennett
 Yuba County, Aaron Ward
 Yuba County, Dan Logue
 Yuba County, Dennis Pooler
 Yuba County, John Nicoletti

COUNTY AGENCIES/ASSOCIATIONS

Alliance for Alternative Agriculture, Frank Sances
 Association of Natural Biocontrol Producers, Lynn LeBeck
 Association of Natural Biocontrol Producers, Maclay Burt
 California Asparagus Commission, Cher Watte
 California Association of Farm Advisors and Specialists, Richard Mahacek
 California Bean Shippers Association, Dave Kristen
 California Beet Growers Association, Ben Goodwin
 California Biomass Energy Alliance, Phil Reese
 California Certified Crop Advisors, Allan Romander
 California Cherry Advisory Board (CFBF), Jim Culbertson
 California Date Commission, Lorrie Cooper
 California Farmers Union, Kevin Abernathy
 California Freestone Peach Association, Ron Milton
 California League of Food Processors, Ed Yates
 California Macadamia Society, Jim Russell
 California Rare Fruit Growers, Central Coast, Larry Hollis
 California Rare Fruit Growers, North San Diego, Ben Pierce
 California Rare Fruit Growers, San Diego, Jose Gallego
 California Rare Fruit Growers, San Joaquin Valley, David Johnson
 California Rare Fruit Growers, South Bay, Shirley Aoki
 California Sweet Potato Growers Association
 California Women for Agriculture, Diana Westmoreland-Pedrozo
 California Women for Agriculture, Karri Hammerstrom
 Cathleen Galgiani, 17th District, Mary Ward
 Deardorff Family Farms, Tom Deardorff
 Forest Landowners of California, Melinda Fleming
 Fresh Produce and Floral Council, Clarissa Mace
 Great Valley Center, David Hosley
 Harry Singh & Sons, Luawanna Hallstrom
 Index Fresh of California, Dana Thomas
 Index Fresh of California, Giovanni Cavaletto
 Kevin Jeffries, 66th District, Andrew Shedlock
 Lodi District Grape Growers Association, Kyle Lerner

**LIGHT BROWN APPLE MOTH ERADICATION PROGRAM
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Lodi Woodbridge Winegrape Commission, Mark Chandler
Mark Wyland, 28th District, Tanya Wolters
Oceanside Produce, Luawanna Hallstrom
Pacific Coast Producers, Daniel Vincent
San Luis Obispo Vintners Association, Becky Gray
Saticoy Lemon Association, Glenn Miller
Senator Jeff Denham, Jim Kjol
Southern California League for Food Protection,
Margaret Burton
United Agribusiness League, Bill Goodrich
United Farm Workers, Giev Kashkooli
Ventura County Farm Bureau, Scott Deardorff
Western Growers Association, Jasper Hempel
Western Growers Association, Wendy Fink-Weber

COUNTY CLERKS

Alameda County Clerk-Recorder's Office
Alpine County Clerk-Recorder's Office
Amador County Clerk-Recorder's Office
Butte County Clerk-Recorder's Office
Calaveras County Clerk-Recorder's Office
Colusa County Clerk-Recorder's Office
Contra Costa County Clerk-Recorder's Office
Del Norte County Clerk-Recorder's Office
El Dorado County Clerk-Recorder's Office
Fresno County Clerk-Recorder's Office
Glenn County Clerk-Recorder's Office
Humboldt County Clerk-Recorder's Office
Inyo County Clerk-Recorder's Office
Kern County Clerk-Recorder's Office
Kings County Clerk-Recorder's Office
Lake County Clerk-Recorder's Office
Lassen County Clerk-Recorder's Office
Los Angeles County Clerk-Recorder's Office
Madera County Clerk-Recorder's Office
Marin County Clerk-Recorder's Office
Mariposa County Clerk-Recorder's Office
Mendocino County Clerk-Recorder's Office
Merced County Clerk-Recorder's Office
Modoc County Clerk-Recorder's Office
Mono County Clerk-Recorder's Office
Monterey County Clerk-Recorder's Office
Napa County Clerk-Recorder's Office
Nevada County Clerk-Recorder's Office
Orange County Clerk-Recorder's Office
Placer County Clerk-Recorder's Office
Plumas County Clerk-Recorder's Office
Riverside County Clerk-Recorder's Office
Sacramento County Clerk-Recorder's Office
San Benito County Clerk-Recorder's Office
San Bernardino County Clerk-Recorder's Office
San Diego County Clerk-Recorder's Office
San Francisco County Clerk-Recorder's Office
San Joaquin County Clerk-Recorder's Office
San Luis Obispo County Clerk-Recorder's Office

San Mateo County Clerk-Recorder's Office
Santa Barbara County Clerk-Recorder's Office
Santa Clara County Clerk-Recorder's Office
Santa Cruz County Clerk-Recorder's Office
Shasta County Clerk-Recorder's Office
Sierra County Clerk-Recorder's Office
Siskiyou County Clerk-Recorder's Office
Solano County Clerk-Recorder's Office
Sonoma County Clerk-Recorder's Office
Stanislaus County Clerk-Recorder's Office
Sutter County Clerk-Recorder's Office
Tehama County Clerk-Recorder's Office
Trinity County Clerk-Recorder's Office
Tulare County Clerk-Recorder's Office
Tuolumne County Clerk-Recorder's Office
Ventura County Clerk-Recorder's Office
Yolo County Clerk-Recorder's Office
Yuba County Clerk-Recorder's Office

ENVIRONMENTAL, COMMUNITY, AND BUSINESS GROUPS

Action for Sustainable Earth, Michael Closson
Action Now, Mitzi Shpak
Ad Hoc Committee for Clean Water, Ann Maurice
Ag Alert, Kate Campbell
Ag Futures Alliance of Ventura County,
Ag Futures Alliance, Joseph McIntyre
Ag Innovations Network, Katy Mamen
Airport Area Business Association, Debbie Hauser
Alameda Chamber of Commerce, Marcella Helwig
Alameda Chamber of Commerce, Melody Marr
Alameda County Conservation District, Peggy Kiefer
Albany Chamber of Commerce,
Albany Chamber of Commerce, Karen Carlson-Olsen
Alliance for Food and Farming, Teresa Thorne
American Cancer Society, Sharen Muraka
American Land Conservancy, Kerry O'Toole
American Land Conservancy, Tim Richardson
American Lung Association, Bonnie Holmes
American Lung Association, Colleen Richardson
Appeal for Communities, Jeffrey B. Caballero
Appeal for Communities, Ngoc Nguyen
Association of Applied IPM Ecologists, Bill Rothfuss
Audubon California, Dan Taylor
Baykeeper, Deb Self
Brisbane Chamber of Commerce, Burton Alberts
Butte County Resource Conservation District, Alexis Vertolli
Butte County Resource Conservation District, Pia Sevelius
Butte Environmental Council, Lynn Barris
CA League of Conservation Voters, Susan Smartt
Cachuma Resource Conservation District, Timothy Campbell
California Association of Nurseries and Garden Centers,
Robert Falconer
California Association of Winegrape Growers, Camron King
California Association of Winegrape Growers, Karen Ross
California Biomass Energy Alliance, Phil Reese

California Center for Environmental Health, Charlie Pizarro
 California Certified Organic Farmers, Peggy Miars
 California Certified Organic Growers, Zea Sonnabend
 California Citrus Research Board, Ted Batkin
 California Farm Bureau Federation, Jack Rice
 California Farm Bureau Federation, Rayne Thompson
 California Forest Products Commission, Donn Zea
 California Forestry Association, Brian White
 California Forestry Association, David Bischel
 California League of Conservation Voters, Susan Smart
 California Native Grasslands Association, David Amme
 California Native Grasslands Association, Judy G. Scott
 California Native Plant Society, Tom Annese
 California Natural Resource Foundation, Ron T. Slay
 California Oak Foundation
 California Pacific Section Society of Range Management,
 John Harper
 California Rangeland Trust, Nita Vail
 California Wildlife Foundation, Amy Larson
 California Women for Agriculture, Salinas Valley Chapter,
 Cheryl Lambert
 Californians for Alternatives to Toxics, Patty Clary
 Center for Energy Efficiency and Renewable Tech, John White
 Center for Urban Education about Sustainable Agriculture,
 Dave Stockdale
 Central Valley Farmland Trust, Bill Martin
 Central Valley Land Trust Council, Theresa Kiehn
 Chester Street Block Club Association, Renee Morrison
 Circle the Earth, Mary Rose Kaczorowski
 Citizens Coalition for West Oakland Revitalization,
 Monsa Nitoto
 Citizens for Health, Roy Upton
 Commonweal, David Baltz
 Communities Against a Radioactive Environment,
 Marylia Kelley
 Communities for a Better Environment, Azibuike Akaba
 Communities for a Better Environment, Nathaniel Bates
 Community Energy Services Corporation, Maria Sanders
 Community Environmental Counsel, Dave Davis
 Community Forestry International, Kate Smith-Hanssen
 Defenders of Wildlife, Kim Delfino
 Defenders of Wildlife, Pelayo Alvarez
 Don't Spray California, Isis Feral
 Don't Spray California, Maxine Ventura
 Downtown Berkeley Association, Deborah Badhia
 Ducks Unlimited Inc., Rudolph Rosen
 Earth Island Institute - UCSB, Mark Berman
 Earthbound Farms Organic, Bryan Wilson
 Earthbound Farms Organic, Todd Kodet
 Earthjustice, Jesse Baird
 Emeryville Chamber of Commerce, Bob Canter
 Environment California, Rachel Gibson
 Environmental Defense Fund, Eric Holst
 Environmental Defense Fund, Kathryn Phillips
 Environmental Defense, Laura Harnish
 Environmental Health Network, Constance Barker
 Environmental Justice Institute, Dana Harvey
 Environmental Science Institute, Allen Edson
 Forest Landowners of California, Melinda Fleming
 Fort Ord Environmental Justice, LeVonne Stone
 Fremont Chamber of Commerce, Natalia Smothers
 Fremont Chamber of Commerce, Val Boyle
 Friends of Edgewood
 Friends of the Earth, Russell Long
 Friends of the Urban Forest, Heather Ellison
 Garden for the Environment, Blair Randall
 Gaviota Coast Conservancy, Mike Lunsford
 Green Foothills, Lennie Lennie
 Greenaction, Jessica Taylor
 Greenbelt Alliance, Christina Wong
 Greenbelt Alliance, Mike Howe
 Health and Habitat, Integrated Pest Management Commission,
 Sandy Ross
 Helping Our Peninsula's Environment, David Dilworth
 Institute for Ecological Health
 Jumping Frog Research Institute, Robert Stack
 Just Cause Oakland
 Kyoto USA, Tom Kelly
 Land Trust for Santa Barbara County, Michael Feeney
 League of California Cities, Amy OGorman
 League of California Cities, Ben Wong
 League of California Cities, Catherine Hill
 League of California Cities, Charles Anderson
 League of California Cities, Charles Daldorf
 League of California Cities, David M. Mullinax
 League of California Cities, David Willmon
 League of California Cities, Deanna Sessums
 League of California Cities, Eric Figueroa
 League of California Cities, Hilary Baird
 League of California Cities, Jennifer Quan
 League of California Cities, Kristine Guerrero
 League of California Cities, Marcy Creasey
 League of California Cities, Nancy Cisneros
 League of California Cities, Rebecca Elliot
 League of California Cities, Stephen Qualls
 League of California Cities, Teresa Acosta
 League of California Cities, Tony Cardenas
 Livermore Chamber of Commerce, David Kent
 Marin Agricultural Land Trust, Robert Berner
 Marin County Farm Bureau, Dominic Grossi
 May Valley Neighborhood Council, Eleanor Loynd
 Molino Creek Farm, Mark Lipson
 Monterey Coast Keepers: The Otter Project, Steve Shimek
 Multinational Exchange for Sustainable Agriculture,
 Lauren Augusta
 National Parks Conservation Association, Stephanie Kodish
 Natural Resource Defense Council, Jonathan Kaplan
 Natural Resources Defense Council, Gina Solomon
 Nature in the City, Peter Brastow
 Nevada County Land Trust, Marty Coleman-Hunt
 Newark Chamber of Commerce, Linda Ashley

**LIGHT BROWN APPLE MOTH ERADICATION PROGRAM
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North Coast Consumers Alliance, Ellen Faulkner
North Coast Rivers Alliance, Stephan C. Volker
Oakland - Five East Bay Counties Black Chamber of
Commerce, Dr. Richard McCline
Oakland Metropolitan Chamber of Commerce,
Ocean Conservancy, Santa Barbara Field Office, Vikki Spruill
Ojai Valley Land Conservancy, Fred L. Fox
Organic Farming Research Foundation, Mark Lipson
Pacific Institute, Heather Cooley
Pacific Institute, Margaret Gordon
Palo Alto Chamber of Commerce, Sandra Lonnquist
Parents for a Safer Environment, Susan Junfish
Pesticide Action Network North America, Kathryn Gilje
Pesticide Action Network North America, Laura Pierce
Pesticide Action Network North America, Marcia Ishii-Eiteman
Pesticide Action Network North America, Margaret Reeves
Pesticide Free Zone, Virginia Souders-Mason
Planning and Conservation League, Gary Patton
Pleasanton Chamber of Commerce, David Bouchard
ProTech GCS, Inc, Christopher R. Ott
Redefining Progress, Anjuli Gupta
Regional Asthma Management and Prevention Initiative,
Joel Ervice
San Bruno Mountain Watch
San Franciscans Concerned About Spray, Kelly McMenimen
San Francisco Bay Conservation Commission, Colleen Jordan
San Francisco Conservation Corp, Mark Buell
San Joaquin Raptor/ Wildlife Rescue Center
San Joaquin Resource Conservation District, Molly Watkins
San Joaquin Valley Conservancy
San Leandro Chamber of Commerce, Diana Gentry
Santa Barbara Audubon Society, Darlene Chirman
Santa Barbara Botanic Garden, Jill Freeland
Santa Barbara Channelkeeper, Jessie Altstatt
Santa Barbara Organic Garden Club, Linda Saltzman
Santa Cruz Resource Conservation District, Karen Christensen
Save Mount Diablo
Save the Bay, David Lewis
Sensible Progressive Medicine, Ann Haiden
Sequoia Audubon Society
Sierra Club California, Bill Magavem
Sierra Club Los Padres Chapter, Mike Stubblefield
Sierra Club, Jim Childress
Sierra Club, Jim Metropulos
Sierra Club, Mike Daley
Sierra Club, Ventana Chapter, Dennis P. Davie
Sierra Club, Ventana Chapter, Rita Dalessio
Sonoma County Winegrape Commission, Nick Frey
Strybring Arboretum, Genevieve Antaky
Sustainable Berkeley, Heather Gwaltney
Sustainable Conservation, Allen Dusault
Sustainable Conservation, Ashley Boren
Sustainable Conservation, Ladi Asgill
Swanton Berry Farm, Jim Cochran
Swanton Berry Farm, Sandy Brown

The Bay Institute, Gary Bobker
The Center for Food Safety, Kevin Zelig Golden
The Center for Food Safety, Lisa J. Bunin
The Nature Conservancy, Barry Rice
The Nature Conservancy, Christina Fischer
The Nature Conservancy, John Randall
The Nature Conservancy, Mark Kramer
The Wordworker, Laurie Gibson
UCCE Contra Costa, Bethallyn Black
Union of Concerned Scientists, Kathy Rest
Urban Alliance for Sustainability, Kachina Katrina Zavalney
W.M. Beaty & Associates, Len Lindstrand
Walnut Creek Chamber of Commerce, Sanjiv Bhandari
West Oakland Neighbors Inc., Willie Keyes
Western Growers Association, Erin Field
Western Growers Association, Hadi Tabbara
Women's Cancer Resource Center,
Margo Mercedes Riviera-Weiss

FARM BUREAUS

Alameda County Farm Bureau, Dan Escobar
Alameda County Farm Bureau, Dan Marciel
Amador County Farm Bureau, Heather Engstrom
Amador County Farm Bureau, Jim Spinetta
Butte County Farm Bureau, Colleen Cecil
Butte County Farm Bureau, Jamie Johansson
Butte County Farm Bureau, Ryan Schohr
Butte County Farm Bureau, Saran Reynolds
Calaveras County Farm Bureau, Eloise Fisher-Spence
Calaveras County Farm Bureau, Steve Kafka
California Farm Bureau Federation, Andrea Fox
California Farm Bureau Federation, Daniel Merkle
California Farm Bureau Federation, Dave Kranz
California Farm Bureau Federation, Dennis Stohl
California Farm Bureau Federation, Doug Mosebar
California Farm Bureau Federation, Elisa Noble
California Farm Bureau Federation, Elizabeth Giannini
California Farm Bureau Federation, Gary Sack
California Farm Bureau Federation, Jack King
California Farm Bureau Federation, John Gamper
California Farm Bureau Federation, Kenny Watkins
California Farm Bureau Federation, Kiran Black
California Farm Bureau Federation, Mike Bradley
California Farm Bureau Federation, Mike Vukelich
California Farm Bureau Federation, Ned Coe
California Farm Bureau Federation, Noelle Cremers
California Farm Bureau Federation, Rachael Johnson
California Farm Bureau Federation, Ria de Grassi
California Women for Agriculture,
Diana Westmoreland-Pedroza
Colusa County Farm Bureau, Bill Wallace Jr
Colusa County Farm Bureau, Brian Fedora
Colusa County Farm Bureau, George Tibbitts
Contra Costa County Farm Bureau, Howard Hobbs
Contra Costa County Farm Bureau, John Veitch

Contra Costa County Farm Bureau, Paul Spinola
 Contra Costa Farm Bureau, John Viano
 Del Norte County Farm Bureau, Ernie Silva
 Del Norte County Farm Bureau, Rob Miller
 El Dorado County Farm Bureau, Carlan Meyer
 El Dorado County Farm Bureau, Jim Davies
 El Dorado County Farm Bureau, Julie Austin
 El Dorado County Farm Bureau, Valerie Zentner
 Fresno County Farm Bureau, Aubrey Cairns
 Fresno County Farm Bureau, Ken Tatami
 Fresno County Farm Bureau, Liz Hudson
 Fresno County Farm Bureau, Russel Efird
 Fresno County Farm Bureau, Ryan Jacobsen
 Fresno County Farm Bureau, Steve Nash
 Fresno County Farm Bureau, Teresa Plascencia
 Glenn County Farm Bureau, Jim Jones
 Glenn County Farm Bureau, Mike Vereschagin
 Humboldt County Farm Bureau, Jay Russ
 Humboldt County Farm Bureau, Jim Regli
 Imperial County Farm Bureau, Mark Osterkamp
 Imperial County Farm Bureau, Vince Brooke
 Inyo-Mono Farm Bureau, Howard Arcularius
 Kern County Farm Bureau, Don Davis
 Kern County Farm Bureau, Matthew Park
 Kern County Farm Bureau, Michael Young
 Kings County Farm Bureau, Jim Crisp
 Kings County Farm Bureau, Tim Larson
 Lake County Farm Bureau, Bob Gayaldo
 Lake County Farm Bureau, Rob Suenram
 Lassen County Farm Bureau, Luke Garrod
 Lassen County Farm Bureau, Matt Lavacot
 Los Angeles County Farm Bureau, Julie Kyle
 Los Angeles County Farm Bureau, Terry Munz
 Madera County Farm Bureau, Dennis Meisner Jr.
 Madera County Farm Bureau, Jim Erickson
 Madera County Farm Bureau, Julia Berry
 Marin County Farm Bureau, Dominic Grossi
 Marin County Farm Bureau, Martin Pozzi
 Mariposa County Farm Bureau, Frank Souza, Jr
 Mariposa County Farm Bureau, Tony Toso
 Mendocino County Farm Bureau, Mike Anderson
 Mendocino County Farm Bureau, Peter Johnson
 Merced County Farm Bureau, Bandoni Louie
 Merced County Farm Bureau, Jeff Marchini
 Merced County Farm Bureau, Louie Bandoni
 Merced County Farm Bureau, Peter Koch
 Modoc County Farm Bureau, Darrell DePaul
 Modoc County Farm Bureau, Tom Stewart
 Monterey County Farm Bureau, Colby Willoughby
 Monterey County Farm Bureau, Jason Smith
 Monterey County Farm Bureau, Robert Perkins
 Monterey County Farm Bureau, Traci Roberts
 Napa County Farm Bureau, Peter Nissen
 Napa County Farm Bureau, Robert Biale
 Nevada County Farm Bureau, Sandy Ballou
 Nevada County Farm Bureau, Tom Browning
 Orange County Farm Bureau, Allan Price
 Orange County Farm Bureau, Gary Hayakawa
 Orange County Farm Bureau, Kathy Nakase
 Placer County Farm Bureau, Carol Scheiber
 Placer County Farm Bureau, J.R. Smith
 Placer County Farm Bureau, Jim Bachman
 Plumas-Sierra County Farm Bureau, David Roberti
 Plumas-Sierra County Farm Bureau, Jim Smith
 Riverside County Farm Bureau, Grant Chaffin
 Riverside County Farm Bureau, Richard Schmid
 Sacramento County Farm Bureau, Charlotte Mitchell
 Sacramento County Farm Bureau, Ken Oneto
 San Benito County Farm Bureau, George Bonacich
 San Benito County Farm Bureau, Greg Swett
 San Benito County Farm Bureau, Ron Vaccarezza
 San Bernardino County Farm Bureau, Kathye Rierkerk
 San Bernardino County Farm Bureau, Patty Van Dam
 San Diego County Farm Bureau, Chuck Badger
 San Diego County Farm Bureau, Eric Larson
 San Diego County Farm Bureau, Michael A. Mellano
 San Joaquin County Farm Bureau, Joe Valente
 San Joaquin County Farm Bureau, Phil Brumley
 San Luis Obispo Farm Bureau, Mark Moore
 San Luis Obispo Farm Bureau, Richard Gonzales
 San Mateo County Farm Bureau, Louie Figone
 Santa Barbara County Farm Bureau, Allen Hove
 Santa Barbara County Farm Bureau, Tom Gibbons
 Santa Clara County Farm Bureau, Jan Garrod
 Santa Clara County Farm Bureau, Joe Gonzales
 Santa Cruz County Farm Bureau, Dave Cavanaugh
 Santa Cruz County Farm Bureau, Jess Brown
 Santa Cruz County Farm Bureau, Matthew Bissel
 Santa Cruz County Farm Bureau, Steve Bontadelli
 Shasta County Farm Bureau, Ivar Amen
 Shasta County Farm Bureau, Len Lindstrand
 Siskiyou County Farm Bureau, Jim Morris
 Siskiyou County Farm Bureau, Mike Luiz
 Solano County Farm Bureau, Joe Martinez
 Solano County Farm Bureau, John Mangels
 Sonoma County Farm Bureau, Doug Beretta
 Stanislaus County Farm Bureau, Janine Goubert
 Stanislaus County Farm Bureau, Kevin Chiesa
 Tehama County Farm Bureau, Burt Bundy
 Tehama County Farm Bureau, Richard Edsall
 Trinity County Farm Bureau, Ron Michener
 Trinity County Farm Bureau, Ross Burgess
 Tulare County Farm Bureau, Edward Needham
 Tulare County Farm Bureau, Larry Peltzer
 Tuolumne County Farm Bureau, Dick Gaiser
 Tuolumne County Farm Bureau, Stan Kellogg
 USDA, Rayne Pegg
 Ventura County Farm Bureau, Leslie Leavens-Crowe

**LIGHT BROWN APPLE MOTH ERADICATION PROGRAM
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Ventura County Farm Bureau, Scott Deardorff
Yolo County Farm Bureau, Chuck Dudley
Yolo County Farm Bureau, Tim Miramontes
Yuba-Sutter County Farm Bureau, Danielle Coleman
Yuba-Sutter County Farm Bureau, Kulwant Johl
Yuba-Sutter County Farm Bureau, Sam Nevis

INDIVIDUALS

Adrienne Rogers
Alanna Freeman
Alexandra Lock
Ami Hartley
Amy Beddoe
Andrea and Tobe Wolf
Andrea Chase
Andrea Jones
Angela Cunningham
Anja Orion
Ann Asman
Ann Taylor
Anna Beauchemin
Anna Davenport
Annabelle and Don Hazelton
April Stewart
Arlene Lee
Arlene Merryman
Arline Mathieu
Ashley Larsen
Barbara Lovejoy
Barbara Nance
Ben and Vivian Andres
Beth Hurwich
Beverly Jean Harlan
Bhima Sheridan
Bliss and Paz Raguindin
Bob and Pat Kirkaldie
Bonnie Kirkland
Bonnie Tank
Bridgett Brown
Bruce Wandmayer
C. Lupo
Caren Gately
Carol Durrell
Carol Patterson
Carol Suchecki
Carole Bennett Simmons
Catherine Sutton
Cathleen Dorinson
Cecilia Cordon
Celia Scott
Celine Underwood
Charlotte Bertram
Charlotte Shoemaker
Cheriel Jensen

Cheryl Pole
Christina Castanha
Christina Davis
Christine Corsetti
Christine Esenther
Christophe Jones
Cindy and Ken Knabe
Cindy Ross
Claire Aznesan
Clarissa C. Kripke
Dale E. Tolosa
Daria Schwarzschild
David and Carol Hatton
David Miller
Deborah and Elmer Cowley
Deborah Craydon
Denise Aubin
Dennis Knepp
Diane Brown
Diane Hoffman
Diane Shapiro
Doris Allen
Doris Ober
Dorothy Andrews
Dorothy V. Bensen
Doug Ferguson
Dukh Niwaran Whipp
Edna Willams
Eduardo Pangilinan
Eleanor Lyman
Elizabeth Terry
Ellen Sweet
Elmer and Karina Maquilan
Emma Angele
Emma Pearson
Eos Mahassine
Eric Soltanoff
Eugenia Loyster
Ewell McIsaac
Floyd Bucklin
Francisco L. Hidalgo
Frieda Slavin
Gail Curtis Graham
Gail Greenless
Georgiana Wardle
Georjana Shames
Gertrude Gebin
Gina Gatto
Gordon K. Macleod
Greta Dutcher
Gwen Andersen
Hannah and Thor Denmark
Hannah Doress
Harvey Rothman

Helen Morrison	Katherine Espina
Helen Strodl	Katherine Maxwell
Howard Crampton	Katherine Munger
J.B. Neilands	Kathy Callaway
J.M. Leduc	Kathy Kramer
Jacquelyn Griffith	Kathy Lu
James Syfers	Kathy Runnion
James T. Hoffman	Kathy Sparling
James Winks	Kelly McMenimen
Jane Eiseley	Kenneth A. Worthy
Jane Mio	Kent C. Ko
Janet Levy	Kent Fraser
Janice Almquist	Keri Siry
Jaqueline F. Jones	Kim Lyons
Jeanne Hassenzahl	Kris Brewer
Jeannette Grant	Kristan Willits
Jeanni Meyer	Kristie Lavelle
Jennifer Gerard	Kristine Brown
Jennifer Lee	Kristine Raguindin
Jennifer Livingston	Kyle Gorath
Jenny Evans	L Paliempio
Jeremy Stuart	L. Cootes
Jerilyn Bock	L.D. Hernandez
Jerry Duncan	Laralynn Rapoza
Jessica Fontaine Brooks	Larry Rose
Jessica Schroeder	Lauren Clarke
Jill Bond	Lauren Schiffman
Jim Lawrence	Lawrence W. Kurns
Jo Kaufman	Lillian S. Mayers
Joan Baumhoff	Lillian T. Fujimoto
Joan F. Fuhry	Linda Abbey
Joan Farrell	Linda Gallaher-Brown
Joan Ferguson	Lisa Abbott
Joanne Packer	Lisa M. Hubbard
Joelle Champney	Lisa Tracy
John Korty	Lisa Whitaker
John Shirley	Liza Jeswald
John Thielking	Louise Landreth
Jonathan Kerry-Tyerman	Lucinia Olney
Joseph Rollheiser	Lydia Sceder
Joyce E. Keller	Lynda and Niles Powell
Juan Walterspiel	Lyndon Comstock
Judith M Sante	Lynn Corwin
Judy Brown	M. Andalib
Judy Schrie	Marcia Bauman
Julia Bartlett	Marietta C. Flores
Julia Harris	Marilyn Kane
Julie Skoler	Marisa Woods
Juno Obodin-Malyar	Marjon Makkink
Karen Buttwinick	Mark Latiner
Karen Elcaness	Mary Ann Brewin
Karen Stafford	Mary Beth Starzel
Karen Weil and Mark Morris	Mary Moser
Karisa Bohon	Mary Savale

**LIGHT BROWN APPLE MOTH ERADICATION PROGRAM
DRAFT PEIR**

Matt P. Tolosa
Matthew Ramsay
Megan and Craig Uhrich
Melinda Leithold
Meynard Roxas
Milagros and Paul Abuda
Monique Webster
Nan Wishner
Nancy Hemmingway
Nancy Sakellar
Natalie Steinberg
Nell Melcher
Olivia Eielson
Pamela Richard
Patricia Herve
Patricia Morris
Patricia Thomas
Patricia Townsend
Paul Warshow
Pauline Bondonno and Jerry Cross
R.A. Vaughan
Rachella Grossi
Ramona Andre
Ramona Andre
Raphael Mendel
Ray Raguindin
Raynard Cayetano
Remy Rodriguez
Rey Balatdat
Rhonda Hoefs
Ria Tanz Kubota
Richard Kochenburger
Robert Bosco
Robert Burnett
Robert J. Glenn
Robert Melcher
Robert Simon
Roberta Loeb
Robin Hodgdon
Robin White
Rochelle Kimball
Rosalia Basa
Rosalie H. Patterson
Rose M. and Richie Kenas
Rose M. and Richie Reyes
Rose Meyers
Rosemary Rav-Levine
Ruth Daskaloff
Ruth Krumbhaar
S Sutijono
S. Jessup
Scott and Elizabeth Wachenheim
Scott Atthowe
Sean Luddy

Sharon Luehs
Shiela Cockshott
Siobhan Devin
Stephanie Falcone
Sudi Scull
Susan Christman
Susan Holbrook
Susan Tansky
Suzanne DeGroot
T. Bigelow
Tanya and Zack Small
Tara Cornelisse
Taylow Bradshaw
Valerie Hicks
Veronica Raymond
Vi P. Huynh
Victoria Ashley
Victoria Watts
Virginia Melcher
Virginia Veach
Vladimir Raguindin
Wendy Langdon and Drew Fiero
Wendy Millstine
Whitney Merchant
Will Minor
William Appleton
William Emerson
Yannick Phillips

INDUSTRY

A. Tavola Together, Claudia Pruett
A. Nagamine Nursery, Glenn Nagamine
AAC, Mark Gatzman
Administrative Committee for Pistachios, Bob Klein
Advan LLC, Jeremy Briscoe
African American Farmers of California, Will Scott
Ag Against Hunger, Jess Brown
Ag CEL, Drue Brown
Ag Futures Alliance, Joseph McIntyre
Ag Futures Alliance, Chris Sayer
Ag Futures Alliance of Ventura County,
Ag Innovations Network, Katy Mamen
Ag Safe, Cosme Sanchez
Agricultural Crime Tech Info Network, Bill Yoshimoto
Agricultural Energy Consumers Association, Jim Crettol
Agriculture and Land-Based Training Association, Nancy
Bustos Porto
Agriculture and Land-Based Training Association, Brett Malone
AGTAC Southern CA Edison, John Bryson
Ahh... Sweet Alpacas, Kathryn Hamilton
Alameda County Conservation District, Peggy Kiefer
Alameda County Master Gardeners, Lucrecia Farfan-Ramirez
Alameda County Master Gardeners, Gail Barchfeld
Alameda County Master Gardeners, Kathy Hofmann
Alameda County Master Gardeners, Margaret Smith

Alameda County Master Gardeners, Susan Sola
 Alameda County Master Gardeners, Jane Turner
 Alameda County Master Gardeners, Carol Vander Muelen
 Alemany Farms, Alice Caruthers
 Alexander Valley Winegrowers, Vicky Robinson
 Alfalfa Seed Production Research Board, J.D. Allen
 Alhambra Valley Olive Oil Company, Tom Powers
 Alliance for Alternative Agriculture, Frank Sances
 Alliance for Food and Farming, Marilyn Dolan
 Alliance for Food and Farming, Teresa Thorne
 Alliance for Food and Farming, Marilyn Dolan
 Alliance for Food and Farming, Ken Melban
 Allied Grape Growers, Nat DiBuduo
 Almond Board of California, Gabrielle Ludwig
 Almond Board of California, Richard Waycott
 Amador Vintners Association, Jamie Lubenko
 Amaethon Farms LLC., George Garcia
 Amaral's Apples, Alan Amaral
 American Agri-Women/California Ag, Lynn Figone
 American Farmland Trust, Edward Thompson Jr.
 American Farmland Trust, Tim Frank
 American Mushroom Institute
 American Nursery and Landscape Association,
 Craig J. Regelbrugge
 American Society for Enology and Viticulture, Lyndie Boulton
 American Society of Landscape Architects, Roxanne Blackwell
 American Vineyard Foundation, Scott Deitrick
 Anderson Valley Winegrowers Association, Kristy Charles
 Apple Hill Growers Association, Ann Wofford
 Apple Hill Growers Association, Maryann Argyres
 Apricot Producers of California, William Ferriera
 Aptos Farm, Joseph Ramaeker
 Armanasco Public Relations, David Armanasco
 Armanasco Public Relations, Sarah Andrus
 Armanasco Public Relations, Kristina Chavez Wyatt
 Armanasco Public Relations, Lisa Thomas
 Associated California Loggers, Ed Ehlers
 Association of Applied IPM Ecologists, Bill Rothfuss
 Association of Natural Biocontrol Producers, Maclay Burt
 Association of Natural Biocontrol Producers, Lynn LeBeck
 Association of Zinfandel Advocates & Producers,
 Rebecca Robinson
 Avalos Organic Farm, Efren Avalos
 B&C Packing, Jeff Bortolussi
 Battinich Apples, Peter Battinich
 Bay Area Chrysanthemum
 Bayview Farms, Hector Mariscal
 Bee Sweet Citrus Inc., Keith Watkins
 Bee Sweet Citrus Inc., James Sherwood
 Blanning & Baker Associates, Christopher Voight
 Blue Diamond Growers, Susan Brauner
 Blue Diamond Growers, Southwestern Fresno, Kings and
 Southwestern Kern Counties, Chris Giannini
 Borba Farms, Mark Borba
 Brentwood Agricultural Land Trust, Kathryn Lyddan
 Brown Miller Communications, Inc., Ken Freeze
 Bureau of Land Management, Mike Pool
 Butte County Farm Bureau, Ryan Schohr
 Buy California Marketing Agreement, Chris Zanobini
 Buy California Marketing Agreement, Sande Monagan
 Buy California Marketing Agreement, Maile Shanahan Geis
 Calaveras Wine Association, Stephen Kautz
 California Agricultural Aircraft Association, Terry Gage
 California Agricultural Teachers Association, Jim Aschwanden
 California Alfalfa and Forage Association, Tom Ellis
 California Alfalfa and Forage Association, Bob Ferguson
 California Alfalfa and Forage Association, Philip Bowles
 California Alfalfa and Forage Association, Aaron Kiess
 California Apple Commission, Alexander Ott
 California Artichoke Advisory Board, Patricia Hopper
 California Asparagus Commission, Cher Watte
 California Association Future Farmers of America,
 Kaytlin Smith
 California Association Future Farmers of America,
 Nessie Early
 California Association of Farm Advisors and Specialists,
 Richard Mahacek
 California Association of Flower Growers and Shippers,
 Kim Kudo
 California Association of Nurseries and Garden Centers,
 Tom O'Brien
 California Association of Nurseries and Garden Centers,
 Bart Fornfeist
 California Association of Nurseries and Garden Centers,
 Elaine Thompson
 California Association of Nurseries and Garden Centers,
 Dave Cox
 California Association of Nurseries and Garden Centers,
 Robert Falconer
 California Association of Pest Control Advisers, Jeremy Briscoe
 California Association of Pest Control Advisers, Terry Stark
 California Association of Pest Control Advisers, Monterey,
 Sergio Casillas
 California Association of Professional Scientists,
 Kristen Haynie
 California Association of Wheat Growers, Tad Bell
 California Association of Wheat Growers, Jane Townsend
 California Association of Wine Grape Growers, Bruce Fry
 California Association of Winegrape Growers, Karen Ross
 California Association of Winegrape Growers, Camron King
 California Avocado Commission, Tom Bellamore
 California Avocado Commission, Mark Affleck
 California Avocado Commission, Ray Chen
 California Avocado Commission, Laurie Hill
 California Avocado Commission, Aria Lukeman
 California Avocado Commission, Valetta Weaver
 California Bean and Grain Cooperative, Paul Paulin
 California Bean Shippers Association, Dave Kristen
 California Beef Council, Bill Dale
 California Beet Growers Association, Ben Goodwin
 California Biomass Energy Alliance, Phil Reese
 California Canning Peach Association, Tim Melchiori

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California Canning Peach Association, Ajayab Dhaddey
California Cattlemen’s Association, Tracy Schohr
California Certified Crop Advisors, Allan Romander
California Certified Farmers Market, Gail Hayden
California Certified Organic Farmers, Jake Lewin
California Certified Organic Farmers, Will Daniels
California Certified Organic Farmers, Claudia Reid
California Certified Organic Farmers, Peggy Miars
California Cherry Advisory Board (CFBF), Jim Culbertson
California Citrus Growers Association
California Citrus Mutual, Philip LoBue
California Citrus Mutual, Joel Nelsen
California Citrus Nursery Research and Education Program,
Jim Melban
California Citrus Quality Council, Hugh Ewart
California Citrus Research Board, Ted Batkin
California Cling Peach Growers Advisory Board, Jim Melban
California Cotton Ginners and Growers Association,
Roger Isom
California Cotton Ginners and Growers Association,
Earl Williams
California Council of Land Trust, Darla Guenzler
California Crop Improvement Association, Larry Teuber
California Cut Flowers Commission, Kasey Cronquist
California Cut Flowers Commission, Chris Zanobini
California Date Commission, Lorrie Cooper
California Dried Plum Board, Gary L. Obenauf
California Dried Plum Board, Karen Hicks
California Dried Plum Board, Richard Peterson
California Farm Bureau Federation, Elisa Noble
California Farm Bureau Federation, Noelle Cremers
California Farm Bureau Federation, Mike Bradley
California Farm Bureau Federation, Andrea Fox
California Farm Bureau Federation, Dave Kranz
California Farm Bureau Federation, Jack King
California Farm Bureau Federation, Doug Mosebar
California Farm Labor Contractors Alliance, Sylvia Reyes
California Farmers Union, Kevin Abernathy
California Farmland Trust, Mike Darnell
California Farmlink (North Coast Office), Steve Schwartz
California Farmlink (Southern and Central Coast Office),
Reggie Knox
California Federation of Certified Farmer’s Markets,
California Fertilizer Association, Pam Emery
California Fig Advisory Board, Richard Matoian
California Flower Cooperative
California Flower Shippers, Inc.
California Freestone Peach Association, Rich Hudgins
California Freestone Peach Association, Ron Milton
California Fresh Apricot Council
California Fresh Fig Growers Association
California Fuyu Growers Association, Jim Bathgate
California Giant, Bill Moncovich
California Giant, Anthony Gallino
California Grain and Feed Association, Bill Adams
California Grain and Feed Association, Chris Zanobini
California Grape & Tree Fruit League, Barry Bedwell
California Grape & Tree Fruit League, Staff
California Grape and Tree Fruit League, Christopher Valadez
California Grape Rootstock Improvement Commission,
Debbie Murdock
California Grocers Association, Richard Morgan
California Grocers Association, Ronald Fong
California Grower Foundation, Rebecca Barlow
California Grown Certified Farmers Market, Daniel Merle Best
California Independent Grocers Association, Del Clegg
California Institute for Rural Studies, Ron Strohlic
California Invasive Plant Council, Doug Johnson
California Invasive Plant Council, Jason Giessow
California Kiwi Fruit Commission, Alexander Ott
California Landscape Contractors Association, Sharon McGuire
California Leafy Greens Research Program, Mary Zischke
California League of Food Processors, Helen Smith
California League of Food Processors, Bill Grigg
California League of Food Processors, Tim Gruenwald
California League of Food Processors, Janey Burk
California League of Food Processors, Amy Alcorn
California League of Food Processors, Alissa Dillon
California League of Food Processors, Ed Yates
California League of Food Processors, Laura Napolitano
California League of Food Processors, Rob Neenan
California Lemon Festival in Goleta, Patricia Fabing
California Macadamia Society, Jim Russell
California Minor Crops Council, Lori Berger
California Native Plant Society, Tara Hansen
California Olive Committee
California Olive Oil Council, Patricia Darragh
California Pacific Section Society of Range Management,
John Harper
California Pear Advisory Board, Chris Zanobini
California Pepper Commission, Jerry Munson
California Polytechnic State University, David Headrick, Ph.D.
California Raisin Marketing Board, Ron Worthley
California Rangeland Trust, Nita Vail
California Rare Fruit Growers, Aura Carmi
California Rare Fruit Growers, Kathy Southard
California Rare Fruit Growers, Laura Nanna
California Rare Fruit Growers, Larry Buzzel-Salzman
California Rare Fruit Growers, Jennifer Rabe Morin
California Rare Fruit Growers, Roland Messori
California Rare Fruit Growers, Central Coast, Larry Hollis
California Rare Fruit Growers, Central Coast, Patti Schober
California Rare Fruit Growers, Central Valley, Roger Worley
California Rare Fruit Growers, Golden Gate, John McClung
California Rare Fruit Growers, Monterey Bay,
Stephanie Hudson
California Rare Fruit Growers, North San Diego, Ben Pierce
California Rare Fruit Growers, San Diego, Jose Gallego
California Rare Fruit Growers, San Joaquin Valley,
David Johnson

California Rare Fruit Growers, Santa Clara Valley,
Nancy Garrison

California Rare Fruit Growers, Sequoia, Martin and
Eva Berghuis

California Rare Fruit Growers, South Bay, Shirley Aoki

California Rare Fruit Growers, Ventura/Santa Barbara,
Norm Beard

California Rare Fruit Growers, Ventura/Santa Barbara,
Scott Doyle

California Redwood Association

California Restaurants Association, Lara Diaz Dunbar

California Rice Commission, Roberta Firoved

California Rice Industry Association, Tim Johnson

California Rural Legal Assistance Foundation, Mike Courville

California Seed Association, Chris Zanobini

California Small Business Roundtable, Eileen Fend

California State Board of Food and Agriculture,
Ann Bacchetti-Silva

California State Floral Association, Edgar Engert

California State Grange, Randal Lewis

California State University Agricultural Research,
Joe A. Bezerra

California Strawberry Commission, Mark Murai

California Strawberry Commission, Peggy Dillon

California Strawberry Commission, Mary DeGroat

California Strawberry Commission, Carolyn O'Donnell

California Strawberry Commission, Rick Tomlinson

California Sweet Potato Growers Association

California Table Grape Commission, Kathleen Nave

California Table Grape Commission, Jim Howard

California Table Grape Commission, Karen Thornton

California Tomato Growers Association, Bret Ferguson

California Tomato Growers Association, Ross Siragusa

California Tomato Growers Association, Mike Montna

California Travel Industry Association, Ross Hutchings

California Tree Fruit Agreement, Sheri Mierau

California Walnut Commission, Dennis Balint

California Women for Agriculture, Jennifer Clarke

California Women for Agriculture, Karri Hammerstrom

California Women for Agriculture, Barbara Levake

California Women for Agriculture,
Diana Westmoreland-Pedrozo

Casa De Fruta

Cavanaugh Color, Dave Cavanaugh

Cedar Mountain Winery, Earl Ault

Ceja Vineyards, Amelia Ceja

Center for Land Based Learning, Craig McNamara

Central California Winegrowers, Peter Vallis

Central Coast Ag Task Force, Abby Taylor-Silva

Central Coast Vineyard Team, Kris O'Connor

Central Coast Vineyard Team, Jill Whitacre

Central Coast Wine Growers' Association, Dan Rodrigues

Central Coast Young Farmers and Ranchers,
April England-Mackie

Central Valley Farmland Trust, Bill Martin

Central Valley Land Trust Council, Theresa Kiehn

Charles Krug, Marc Mondavi

Cherry Marketing Institute, Jean Valentine

Clarksburg Wine Growers Association, Tim Waits

Coastal Viticultural Consultants, Michael Princevalle

Community Alliance With Family Famers/ Price Consulting,
Pete Price

Community Alliance with Family Farmers, Dave Runsten

Community Alliance with Family Farms, Diane Del Signore

Community Alliance with Family Farms, Megan Sabato

CRS - SK, J.R. Shannon

Dairy Council of California, Sara Miller

Darensberries, Daren Gee

D'Arrigo Brothers, Jose Valdez

David Girard Vineyards, David Girard

David Pinkham Farms, David Pinkham

Deardorff Family Farms, Tom Deardorff

Del Monte Foods, Kyle Reynolds

Del Monte Foods, Monte Griffith

Devil Mountain Nursery, Manuel Borajas

Devil Mountain Nursery, Patrick Murrin

Dimare, Van Vleck & Brown LLC, Stan Van Vleck

Dole Fresh Vegetables, Inc., Kent Hansen

Dried Fruit Association of California, Merle Jacobs

Driscoll Strawberry Associates, Brian McElroy

Driscoll Strawberry Association, Seve Griffiths

Driscoll's, Emily Peterson

Dwellely Farms, Mark Dwellely

Earthbound Farms Organic, Bryan Wilson

Earthbound Farms Organic, Todd Kodet

Ecological Farming Association, Marcy Coburn

Ecological Farming Association, Zea Sonnabend

Ecological Farming Association, Timothy Sullivan

El Dorado Wine Grape Growers Association, Dave Pratt

El Dorado Winery Association, Jolaine Collins

EMAC Farms, Ed McLaughlin

Fair Play Winery Association, Brian Fitzpatrick

Family Tree Farms, Rick Jackson

Family Winemakers of California, Paul Kronenberg

Farmworker Institute for Education and Leadership
Development, David Villarino

Farmworker Institute for Education and Leadership
Development, Joaquin Garza

Federal Land Bnk Association of Kingsburg, Scott Anderson

Fedora Farms Inc., Chris Fedora

Ferry Plaza Farmers Market, Christine Farren

Filice Farms, Kay Filice

Forest Landowners of California, Melinda Fleming

Four Winds Growers, Don Dillon

Free The Grapes!

Fresh Produce and Floral Council, Clarissa Mace

Fresh Producers, Rabbi David Wechsler-Azen

Fresno Cooperative Raisin Growers,

Fresno County Farm Bureau, Ryan Jacobsen

Friant Water Users Authority, Kole Upton

Fruit Growers Laboratory, Kelly Dunnahoo

**LIGHT BROWN APPLE MOTH ERADICATION PROGRAM
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Fruit Growers Supply Company, John Eacker
Gallo's Vinyards, Harry Gallo
Garton Tractor Inc., Myke Ortiz
Gentle Farms
George Chiala Farms, Inc., Tim Chiala
Gerawan Farming, George Nikolich
Gingrich Horticulture Service, John Gingrich
Golden Gate Restaurant Association
Great Valley Center, Holly King
Great Valley Center, David Hosley
Grocery Manufacturers Association, Douglas Conant
Grower, Sebastian Cervantes
Grower-Shipper Association, David Cramer
Grower-Shipper Association, Jim Bogart
Grower-Shipper Association, Richard Quandt
H & R Ranches - FJR Farms, Frank Reherrmann
Hamada Farm, Yukio Hamada
Hansen Ranches, Phil Hansen
Happy Valley Farm, Larry Makjavich
Harris Farms, John Harris
Harrison Gardens & Nursery, Don Rose
Harry Singh & Sons, Luawanna Hallstrom
Heart of Sonoma Valley Wineries, Josie Gay
Hendersen Peaches, Jonnalee Henderson
Heritage Ranch Management, Burnet Wohlford
Huntington Botanical Gardens, Steven Koblik
Ikeda Bros, Tom Ikeda
Independent Growers Association, Nancy Isakson
Index Fresh of California, Giovanni Cavaletto
Index Fresh of California, Dana Thomas
Institute for Ecological Health,
International Agri-Center Inc, Amy Babb
Irrigation Association, Erin Field
Ito Packing, Craig Ito
J. Lohr Vineyards & Wines, Steve Lohr
Kendall Jackson Winery, Bill Hammond
Kunde Estate Winery, Steve Thomas
Laford Ice Cream, Mike Laford
Lake County Winegrape Commission, Shannon Gunier
Lassen Canyon Nursery, Joe Rovito
Lassen Canyon Nursery, Liz Ponce
Leafy Greens Marketing Agreement, Joe Pezzini
Livermore Valley Winegrowers Association, Chris Chandler
Livermore Valley Winegrowers Association, Kathy Liske
Local Harvest
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Lodi Woodbridge Winegrape Commission, Mark Chandler
Lodi Woodbridge Winegrape Commission, Cliff Ohmart
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Marin Association of Realtors, Edward Segal
Marin Farmers Markets, Brigitte Moran
Marin Organic, Helge Hellberg
Mariquita Farm
Markon Cooperative, Tim York
Marrone Organic Innovations, Inc., Keith Pitts
Marrone Organic Innovations, Inc., Pam Marrone
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Mendocino County Wine & Winegrape Commission,
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National Potato Council, Hollee Alexander
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NFIB, John Kabateck
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Nurserymen's Exchange
Ocean Mist Farms, Dale Huss
Oceanside Produce, Luawanna Hallstrom
Oceanside Produce, Evelyn Weidner
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Orchard Nursery & Florist, Chris Martinez
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Organic Farming Research Foundation, Mark Lipson
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Pacific Coast Producers, Daniel Vincent
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Processing Tomato Advisory Board, Tom Ramme
Proteus Inc., Joseph Torrez
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 San Francisco Flower Mart
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 Santa Barbara Botanical Garden, David Kershaw
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 Sam Edelman
 Santa Barbara Certified Farmers Market Association,
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Valley Fig Growers, Linda Cain
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Ventura County Farm Bureau, Scott Deardorff
Veritable Vegetable, Bu Nygrens
Vineyard Workers Services, Kenneth Ramirez
W.M. Beaty & Associates, Len Lindstrand
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Wal-Mart Supercenter, Richard W. Luce III
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Wente Vinyards, Karl Wente
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Western Farm Service, Gordon Miller
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Western Growers, Ken Gilliland
Western Growers, Kelly McKechnie
Western Growers, Stacy Satterlee
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Western Growers Association, Hadi Tabbara
Western Growers Association, Jasper Hempel
Western Growers Association, Matt McInerney
Western Growers Association, Erin Field
Western Growers Association, Wendy Fink-Weber
Western Growers Association, Dave Puglia
Western Growers Association, Hank Giclas
Western Growers Association, Cathy Enright
Western Plant Health Association, Renee Pinel
Western United Dairymen, Paul Martin
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Wilson Farms, D. Mark Wilson
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Wine Institute, Lucinda Chipponeri
Wine Institute, Robert Koch
Wine Market Counsel, John Gillespie
Winegrowers of Dry Creek Valley, Diane Johannsen
Wooten's Golden Queens, Shannon Wooten
Yamagami's Nursery, Preston Oka
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Yuba-Sutter County Farm Bureau, Danielle Coleman
Yuba-Sutter County Farm Bureau, Kulwant Johl

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Napa City-County Library
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Placer County Library
Placerville Main Library
Pleasant Hill Library
Quincy Library
Redding Library
Sacramento Public Library
San Benito County Free Library
San Diego Central Library
San Francisco Public Library - Main Library
San Luis Obispo City-County Library
San Mateo Public Library (Attn. Reference Desk)
Santa Barbara Central Library
Santa Clara Central Park Library
Santa Cruz Public Library
Santa Rosa Central Library
Seaside Library
Stanislaus County - Modesto Library
Sutter County Library Main Branch
Tehama County Public Library
Temecula Public Library
Trinity County Library - Weaverville Branch
Tuolumne County Library
Visalia Branch Main Library
Willows Public Library
Yreka Branch Library
Yuba County Library

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 Pleasant Valley School District, Ron Speakman
 Pleasanton Unified School District, Juanita Haugen
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 Rio Linda Union School District, Trinette Marquis
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 Tustin Unified School District, Lynn Davis
 Tustin Unified School District, Jonathan Abelove
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 Visalia Unified School District, Michael Lane
 Walnut Valley Unified School District, Larry L. Redinger
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 San Francisco Chronicle, Vicki Haddock
 Santa Cruz Sentinel, Tom Honig
 The Davis Enterprise, Debbie Davis
 The Fresno Bee, Lisa Marie Boyles
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 The Modesto Bee, Judy Sly
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 The Monterey County Herald, John Yewell
 The Orange County Register, Mark Lansbaum
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 The Stockton Record, Tony Sauro
 The Stockton Record, Kevin Parrish
 Visalia Times-Delta, Paul Hurley
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 City of Kingsburg, Darren Hays
 City of Lakewood, Don Waldie
 City of Long Beach, Ed Kamlan
 City of Long Beach, Tom Modica
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 City of Oakland Public Works Agency, Daniel Gallagher
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 City of Piedmont, Lawrence Rosenberg
 City of Pleasanton, Rob Wilson
 City of Poway, Betty Rexford
 City of Redondo Beach, Ernie ODell
 City of Richmond, Anthony Norris
 City of Riverside, Art Gage
 City of Rolling Hills, Jim and Karen Black
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 City of San Jose, Janis Moore
 City of San Rafael Public Works, John Tune
 City of San Ramon, Abram Wilson
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Santa Monica Bay Restoration Commission, Jack Topel
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Sierra Nevada Conservancy, Liz Van Wagtenonk
State Coastal Conservancy, Abe Doherty
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District - 7, Mark DeSaulnier
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U.S. Congress, Barbara Lee
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Orange County Water District, Phillip Anthony
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Yorba Linda Water District, Richard Collett

1.5 ENVIRONMENTAL CONCERNS

Below is a brief summary of the environmental concerns by resource (i.e., PEIR section), including issues raised by agencies and the public.

1.5.1 Agricultural/Horticultural Resources and Economics

The following concerns are associated with agricultural and horticultural resources and economics and are addressed in Chapter 3 of this PEIR:

- Evaluate impacts on bees and other crop pollinators.
- Use baseline data that are relevant to today's agricultural practices in California.
- Identify a definitive list of plant species on which LBAM has been observed to feed regularly, not just in one-time or experimental laboratory situations.
- Discuss impacts on organic farms and gardens and organic produce.
- Address long-term and cumulative No Program impacts, including costs to growers from quarantine.

1.5.2 Urban and Rural Land Uses

The following concerns are associated with urban and rural land uses and are addressed in Chapter 4 of this PEIR:

- Discuss impacts on schools and other sensitive land uses (e.g., hospitals, nursing homes) from treatment (see also Chapter 5, Noise).
- Address local community regulations regarding pesticides, e.g., prohibitions against use of pesticides in open-space areas such as golf courses, parks, etc.

1.5.3 Noise

The following concerns were associated with noise and are addressed in Chapter 5 of this PEIR or as indicated:

- Evaluate noise-related impacts on humans, including sleep disturbance.
- Evaluate impacts of noise from aerial and ground spraying on wildlife, especially marine wildlife (see Chapter 9, Aquatic Resources, and Chapter 10, Terrestrial Resources).

1.5.4 Air Quality and Climate Change

The following concerns were associated with air quality and are addressed in Chapters 6 and 13 of this PEIR:

- Assess treatment material that is present in ambient air and that deposits to the ground.

- Discuss the impacts of drift from all application methods including aerial spray.
- Discuss the impacts of emissions of air pollutants released into the environment from treatment methods and combustion of fuels.
- Discuss impacts on greenhouse gases and climate change.

1.5.5 Public Services and Hazard Response

The following concerns were associated with public services and hazard response and are addressed in Chapter 7 of this PEIR:

- Discuss risk of airplane crash and fuel dumps during spraying.
- Address impacts on emergency services, including ability of 911 dispatchers to handle frequent calls related to treatment.
- Discuss the safe disposal of sticky traps, twist ties, and other chemical-related materials.

1.5.6 Human Health

The following concerns were associated with human health and are addressed in Chapter 8 of this PEIR:

- Address Program impacts on people and pets through all ingestion and absorption pathways, and proposed mitigation. Address impacts on chemically sensitive people, pregnant women and developing fetuses, homeless persons, and sensitive populations such as at schools, daycare facilities, hospitals, and nursing homes.
- Discuss impacts of Program on swimming pools and groundwater systems.
- Evaluate both short-term and long-term health risks. Address long-term, cumulative health impacts, subchronic impacts, and acute impacts. Address impacts of chemicals on pre-existing health conditions, such as Parkinson's or Alzheimer's disease.
- Evaluate cancer risks from Program-related chemicals.
- Analyze impacts of each chemical ingredient, individually and in combination.
- Discuss the impacts of synthetic moth pheromones on human hormonal levels and human behavior.
- Discuss detoxification pathways for each of the active and inert ingredients, including interference with vital enzyme, neuromuscular, inflammatory, and immune systems.

1.5.7 Aquatic Resources

The following concerns were associated with aquatic resources and are addressed in Chapter 9 of this PEIR:

- Discuss Program impacts on marine wildlife.
- Discuss impacts on wetlands, native flora and fauna, fish and amphibians, and marine sanctuaries.
- Establish biological monitoring.

1.5.8 Terrestrial Resources

The following concerns were associated with terrestrial resources and are addressed in Chapter 10 of this PEIR:

- Discuss Program impacts on other insects, endangered species, and riparian wildlife.
- Discuss the impacts of Program-related pheromones on the behavior of other animals.
- Discuss the impacts of the No Program and Program alternatives on conifers, ecosystem, and forest health.
- Discuss the impacts of the No Program Alternative on other species and habitats.
- Discuss the impacts on moth predator populations of increased moth population from releasing sterile moths and decreased moth populations after treatment.
- Discuss the impacts of the use of a parasitic wasp.
- Establish biological monitoring.

1.5.9 Water Resources

The following concerns were associated with water resources and are addressed in Chapter 11 of this PEIR:

- Discuss impacts of drift from aerial spray on water bodies.
- Discuss impacts of chemicals on potable water supply.
- Identify watershed impacts from aerial and ground applications.
- Clearly define drinking water supply watershed boundaries where water supplies could be impacted.
- Discuss impacts, including long-term and cumulative, of failing to eradicate LBAM in California. Damaged trees contribute to wildfires, erosion, and degradation of water quality.
- Include an environmental monitoring program to provide data for a detailed fate and transport study on potable water supply.
- Include a notification procedure for water utilities drawing from affected water supplies.

1.5.10 Ecological Health

The following concerns were associated with ecological health and are addressed in Chapter 12 of this PEIR:

- Discuss impacts on bees from all chemicals in spray and from sticky traps. (Microcapsules are about the same size as pollen grains, and bees may carry them back to hives or birds may mistake them for food.)
- Discuss impacts of drift from aerial spray, especially into sensitive habitat areas.
- Discuss persistence of all proposed treatment substances in the environment, as well as potential for bioaccumulation.
- Discuss impacts of chemicals on microbial life in the soil.
- Analyze the No Program Alternative as it relates to wildfire threat, including impacts on native trees and shrubs that provide habitat and impacts on other insect species of increased home pesticide use.

1.6 POTENTIAL PERMITS, APPROVALS, AND CONSULTATIONS

The CDFA's eradication activities must comply with all applicable laws and regulations dealing with the use of various pesticides. Implementation of any of the potential treatment alternatives would not result in any alteration to any streambed, water body, or land area, nor would any "take" of a species listed under the California Endangered Species Act occur.

Consultations with other agencies are an important mechanism for the development of chemical and nonchemical treatment alternatives and for monitoring LBAM's spread. The sections below explain the involvement of federal, state, and local agencies in pest problem identification and LBAM's eradication

1.6.1 Agency Consultation and Coordination

1.6.1.1 Federal

U.S. Department of Agriculture (USDA), Animal and Plant Health Inspection Service



APHIS' mission is to protect the health and value of American agriculture and natural resources. APHIS' Plant Protection and Quarantine program safeguards the nation's agriculture and natural resources from the introduction, establishment, and spread of plant pests, diseases, and noxious weeds. Plant Protection and Quarantine's Emergency and Domestic Programs unit provides national leadership and coordination in crop biosecurity and emergency management. The USDA is working cooperatively with the CDFA to control the spread of LBAM within California and to prevent its spread to other states and international trading partners.

U.S. Environmental Protection Agency (USEPA)

The U.S. Environmental Protection Agency (USEPA) regulates pesticides under two major statutes: the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA) and the Federal Food, Drug, and Cosmetic Act (FFDCA). Pesticides are defined under FIFRA as, "any substance intended for preventing, destroying, repelling, or mitigating any pest." FIFRA requires that pesticides be registered (licensed) by the USEPA before they may be sold or distributed for use in the U.S., and that they perform their intended functions without causing unreasonable adverse effects on people and the environment when used according to USEPA-approved label directions.

Current FIFRA regulations do not require manufacturers to reveal formulation components. Many of the inert ingredients in the commercial formulations of the various pesticide products on the market are not publically available. Toxicity studies conducted under FIFRA are required to evaluate the active ingredient and the product formulation. In environments where a variety of pesticides may be used, the potential for chemical interactions of inert and active ingredients should be understood to minimize risks. Since the identity and/or concentrations of the inert ingredients in each formulation are usually proprietary, and FIFRA does not require disclosure of these concentrations, it was not possible to estimate concentrations of most inert ingredients in the formulations considered for use, and only general toxicity hazard information is provided in Appendix D, Human Health Risk Assessment. In this assessment, an exception is the permethrin formulation, Permethrin E-Pro. For this product, the Material Safety Data Sheet contained information on two inert ingredients (ethylbenzene and 1,2,4-trimethylbenzene) and the percentage composition of each sufficient to support the quantitative assessment of potential health effects from exposure.



Special uses of pesticides can be considered on a case-by-case basis through FIFRA Section 24C (USEPA 1996). However, the use of Program pesticides is already authorized in the state of California under FIFRA, and uses will conform to the label restrictions.

Bureau of Land Management (BLM)

The Federal Land Policy and Management Act of 1976 states that the Bureau of Land Management (BLM) has the statutory duty to prevent unnecessary degradation of public lands. BLM allows the use of insecticides, fungicides, and rodenticides. The products must be registered with the USEPA and used as prescribed on the label by personnel who are certified to supervise or apply the registered pesticides. To obtain authorization from BLM to conduct chemical pest control programs on lands it manages, the individuals, organizations, or other federal agencies must submit a Pesticide Use Proposal. This submittal will require an Environmental

Assessment and possibly a Biological Assessment and consultation with the USFWS. Its approval is provided by authorized BLM officials (BLM 2007).

U.S. Fish and Wildlife Service (USFWS)

The mission of the USFWS is to conserve, protect, and enhance fish and wildlife, and their habitats for the continuing benefit of the American people. USFWS activities include, but are not limited to: enforcing the federal Endangered Species Act (ESA); acquiring wetlands, fishery habitats, and other lands for restoration and preservation; ensuring compliance with the National Environmental Policy Act; managing National Wildlife Refuges and National Fish Hatcheries; and reviewing and commenting on all water resource projects. Because the USFWS is the only US agency whose primary responsibility is conservation of the nation's fish, wildlife, and plants, the USFWS is very concerned with harmful impacts on fish and wildlife resources from invasive species. Invasive species degrade, change or displace native habitats and compete with our native wildlife. The USFWS' Integrated Pest Management (IPM) planning program is a comprehensive, environmentally sensitive approach to managing pests that includes a combination of strategies that pose the least hazard to people, property, and the environment. These strategies can include cultural, mechanical or physical, biological, and chemical methods for managing the pest.

The CDFA is partnering with the USDA to eradicate LBAM as it relates to agricultural resources in California to prevent its spread nationwide. Subsequently, the CDFA will consult with the USFWS to prevent the spread of LBAM as an invasive species while at the same time protecting other biological resources, including federally listed endangered species.

U.S. Forest Service (USFS)

The USFS manages 192 million acres of national forest and grasslands. In addition, the agency has the responsibility and authority to provide technical and financial assistance for all of the forest lands, including urban state, private, and tribal lands, and forested lands managed by other federal agencies (USFS 2004a). They also have an early detection and rapid response infrastructure in place and are proactive in developing broad networks with many partners, including APHIS, to detect, contain, and eradicate invasive species before they become established (USFS 2004a). The USFS would require an EA/EIS for any aerial spraying on their land. The USFS uses pesticides and herbicides to manage forest resources. Individual forests may address the control of invasive species and fuel management in their forest management plans.

National Marine Fisheries Service, National Oceanographic and Atmospheric Administration (NOAA Fisheries)

NOAA Fisheries (or NMFS) is dedicated to the stewardship of living marine resources through science-based conservation and management, and the promotion of healthy ecosystems. In that role, NOAA Fisheries conserves, protects, and manages living marine resources in a way that ensures their continuation as functioning components of marine ecosystems, affords economic opportunities, and enhances the quality of life for the American public. NOAA's NMFS has jurisdiction over most marine and anadromous fish listed under the ESA. Anadromous fish are born in fresh water, migrate to the ocean to grow into adults, and then return to fresh water to spawn. The majority of fish listed as endangered or threatened under the ESA are Pacific salmonids, though other species are also protected.

The CDFA is partnering with the USDA to eradicate LBAM as it relates to agricultural resources in the state. Subsequently, the CDFA will consult with NOAA Fisheries to prevent the spread of LBAM as an invasive species while at the same time protecting anadromous fish during Program implementation.

1.6.1.2 State

Department of Pesticide Regulation (DPR)

The registration of pesticides and commercial chemicals in California is under the California Environmental Protection Agency's purview. The DPR, overseen by the Cal/EPA, coordinates a number of programs to regulate pesticides, including product evaluation and registration through use enforcement, environmental monitoring, residue testing, and reevaluation, if deemed appropriate. The DPR works with county agricultural commissioners who act as local pesticide enforcement authorities, who evaluate, develop conditions of use, approve, or deny permits for restricted-use pesticides; certify private applicators; conduct compliance inspections; and take formal compliance or enforcement actions.

The DPR compiles information on pesticide application in annual reports and its Environmental Hazards Assessment Program has the lead role in implementing DPR's environmental protection program, which collects data and analyzes the results from studies conducted to measure pesticide residues in the environment, characterize drift and other off-site pesticide movement, and evaluate the effect of application methods on movement of pesticides in air.

The DPR is a member of the LBAM Environmental Advisory Task Force. The CDFA will work with the DPR to monitor pesticide applications for quality control, as well as effectiveness.

Office of Environmental Health Hazard Assessment (OEHHA)

The OEHHA is responsible for implementing the Safe Drinking Water and Toxic Enforcement Act of 1986, colloquially known as Proposition 65. The proposition was intended by its authors to protect California citizens from chemicals known to cause cancer, birth defects, or other reproductive harm, and to inform citizens about exposures to such chemicals. Proposition 65 requires the governor to publish, at least annually, a list of chemicals known to the state to cause cancer or reproductive toxicity.

The OEHHA is a member of the LBAM Environmental Advisory Task Force. The CDFA is working with the OEHHA to evaluate both the Program and No Program alternatives, including the Isomate LBAM Plus device, also known as a "twist tie" (Alternative MD-1), which is a pheromone dispenser and is one of the tools employed by the CDFA to control and eradicate the LBAM.

California Department of Fish and Game (CDFG)

The CDFG's mission is to manage and protect the state's diverse fish, wildlife, plant resources, and native habitats. The CDFG is also responsible for the diversified use of fish and wildlife including recreational, commercial, scientific and educational uses and utilizes its law enforcement division to prevent and stop illegal poaching. The CDFG has an Invasive Species Program which is tasked with reducing the negative effects of nonnative invasive species on the wildlands and waterways of California and is involved in efforts to prevent the introduction of these species into the state, detect and respond to introductions when they occur, and prevent the spread of nonnative invasive species that have become established. The Invasive Species Program's projects address problems with introduced animals, plants and microbes, both terrestrial and aquatic and attempt to address the ways by which the species are introduced, typically inadvertently, by human activities.

The CDFG is a member of the LBAM Environmental Advisory Task Force. The CDFA will work with the CDFG to prevent the spread of LBAM as an invasive species while at the same time protecting other biological resources from Program activities to eradicate LBAM. The CDFA will consult with the CDFG to protect rare, threatened, and endangered species and sensitive habitat areas that support the species in the proposed treatment areas.

California Department of Forestry and Fire Protection (CAL FIRE)

CAL FIRE's mission is to provide all hazard emergency response - fire, medical, rescue and disaster - to the public, and provide leadership in the protection of life, property and natural resources. CAL FIRE safeguards the public through engineering; research, development and adoption of regulations; fire and life safety programs; fire prevention, law enforcement, and public information and education; resource protection; and emergency response. CAL FIRE also limits the damage caused by fires, disasters, environmental degradation, and related emergencies by employing diverse yet complimentary efforts which include: training; public education and prevention awareness; responsible stewardship of state forests; oversight of management activities on private forest lands; and emergency management.

CAL FIRE is a member of the LBAM Environmental Advisory Task Force. The CDFA will work with CAL FIRE to eradicate LBAM, which if left uncontrolled, could have serious consequences for the state's forests, including the potential for increased fuel for fires resulting from LBAM damage to forest ecosystems.

1.6.1.3 Local

County Agricultural Commissioners (CACs)

California's County Agricultural Commissioners (CACs) serve as the primary local enforcement agents for state pesticide laws and regulations that cover environmental protection, pest prevention, worker and consumer protection, and a variety of special services, working closely with the DPR. CACs regulate pesticide use to prevent misapplication or drift, and possible contamination of people or the environment. CACs enforce many laws administered by the CDFA, including those related to pest detection and exclusion, and consult with CAL FIRE about pesticide use on forest lands. CACs collect pesticide use data within their counties and file this data with the DPR, which maintains a statewide database of pesticide use information. In response to the LBAM infestation, CACs are collecting and evaluating specimens of suspected LBAM larvae and performing post-treatment inspections of infested sites. CACs in counties in which LBAM has been found report on the status of the infestation within their jurisdictions and are working with the CDFA to distribute important information about LBAM to agricultural and horticultural growers and county residents.

1.6.1.4 Monterey Bay National Marine Sanctuary Permit

Monterey Bay National Marine Sanctuary (MBNMS) requires a permit for direct discharge of Program alternatives to its waters. Permits are issued in accordance with the National Marine Sanctuaries Act, 16 USC Section 1431 et seq., and regulations there under (15 Code of Federal Regulations [CFR] Part 922).

Previous treatment activities in northern Monterey County and Santa Cruz (described in Section 1.1, History and Background, above) in 2007 received a permit from the MBNMS for the potential discharge of Checkmate LBAM-F to its waters. This permit allowed potential discharges in the coastal areas of Marina, Seaside, and the Monterey Peninsula, within the MBNMS, but not in the vicinity of Santa Cruz or the Elkhorn Slough area. The permit included a number of special conditions or requirements, such as using precautionary buffer zones when operating adjacent to the MBNMS to minimize discharge of pheromone material into its waters, conducting monitoring consistent with the CDFA protocols to determine application efficacy and avoidance of sensitive waters, and a report of activities conducted under the permit to the MBNMS coordinator (including areas sprayed, problems encountered, drift patterns, application efficacy, and monitoring results). An MBNMS permit may be revoked at any time should the MBNMS Superintendent find that the pheromone material is causing or may cause unacceptable harm to MBNMS resources or qualities. Permits do not allow disturbance of marine mammals or seabirds protected under provisions of the Endangered Species Act, Marine Mammal Protection Act, or Migratory Bird Treaty Act.

The Proposed Program does not propose the direct discharge of any Program treatment material or aerial spraying of pheromone materials in the MBNMS vicinity, which is located offshore from developed areas where ground application of treatments is feasible. Because ground application would be used in the MBNMS vicinity, drift effects are expected to be negligible under the Proposed Program. However, activities proposed, including ground treatment, may require a permit for potential indirect discharge into its waters. Consultation with MBNMS will be needed to determine whether future treatment activities under the Proposed Program would require a permit.

1.7 IMPACTS NOT GIVEN IN-DEPTH EVALUATION IN THIS PROGRAMMATIC ENVIRONMENTAL IMPACT REPORT

The Proposed Program's chemical and nonchemical treatment alternatives were determined to have no impacts or less than significant impacts on the resources listed below; therefore, further analysis of these resources was not necessary. The resources not considered thereafter in the PEIR, or those partially considered (and how they are considered), include:

- **Aesthetics.** In general the implementation of the eradication strategies and methods for LBAM would not impact the aesthetics of the Program Area. No new construction of facilities would occur, the application of materials from the ground or the air would not have a visual impact because the Program alternatives are too small to be noticeable in the open areas and would blend in with the utility poles where it would be applied, mostly in commercial and industrial areas. None of the materials to be applied would change the appearance of existing structures or visual features of the landscape. The material would not harm painted surfaces of structures, signs, and roadways.
- **Cultural Resources.** The activities associated with LBAM's eradication would not include any construction of facilities or subsurface ground disturbance. Material application would not occur on existing historical resources therefore, cultural resources would not be impacted. However, if during the application of material in either developed or undeveloped areas human remains are encountered, the applicable county coroner would be contacted and appropriate measures implemented, consistent with State Health and Safety Code Section 7050.5, which prohibits unauthorized disinterring, disturbing, or removing of human remains from any location.
- **Geology and Soils.** The activities associated with LBAM's eradication would not include any facilities construction or significant ground disturbance nor induce erosion or loss of topsoil; therefore, geology and soils would not be impacted in this manner. Program activities would not be affected by landslides or ground failure, because aerial application would be used in forested and other open-space areas if needed. The issue of impacts to soil microbes is addressed in the fate and transport analysis of the chemical treatments.
- **Mineral Resources.** The activities associated with LBAM's eradication would not include any new construction or alteration of subsurface resources; therefore, the Program would not result in the loss of availability of a known mineral resource.
- **Population and Housing.** The Program would not add new housing or increase the resident population within the Program Area; therefore, the Program is not expected to impact population and housing growth. Because the Program would not result in new development, it would not place a substantial demand on most public services including public facilities. However, the Program's potential to impact public health and emergency response services is addressed in Chapter 7, Public Services and Hazard Response.
- **Recreation.** LBAM eradication methods would not impact the use of existing park facilities in urban areas. However, the use of state and federal recreation areas could be affected, as discussed in Section 4.2, Environmental Impacts and Mitigation Measures. Furthermore, since the Program does not include construction, expansion of parks or construction of new parks would not be required.

- **Transportation and Traffic.** The Program would not include the use of a substantial amount of vehicles or block existing roadways for LBAM eradication efforts. Light truck and automobile trips would be required to transport workers, materials, and equipment for the ground and aerial applications. These trips would be temporary and sporadic (based on the moth's 90-day life cycle), and they would not occur on a consistent basis over the long term. Therefore, no impacts would be associated with Program transportation or traffic.
- **Utilities and Service Systems.** The Program would not include any new construction or the addition of housing or new workers to a community that would result in a substantial increase in demand for new utilities and service systems. Therefore, the Program is not expected to impact the utilities, including electricity, cable, water, and wastewater, in a treatment area. Water resources are addressed in Chapter 11, Water Resources.

1.8 REPORT ORGANIZATION

The PEIR evaluates potential environmental impacts (direct, indirect, and cumulative) on the following environmental resources and concerns: human health, ecological health, agricultural economics and land use, nonagricultural land uses, public services/hazard response, water quality (surface water and groundwater), air quality, climate change (greenhouse gas production), noise, and biological resources, including cumulative impacts. The human and ecological risk assessments are technical appendices to the PEIR with important results summarized in the appropriate sections of the PEIR. Volume 1 includes the summary and chapters listed below:

- **Chapter 1, Introduction** provides the Program's history, the eradication objective, a summary of public involvement activity and the public's concerns, any required permits and approvals, impacts not further evaluated, and the PEIR's organization.
- **Chapter 2, Program Description** presents the Program objectives and the No Program Alternative, chemical treatment, and nonchemical treatment alternatives. It also describes planned monitoring activities.
- **Chapter 3, Agricultural/Horticultural Resources and Economics** presents the environmental setting and a discussion of impacts to these resources from the No Program and Program alternatives.
- **Chapter 4, Urban and Rural Land Uses** presents the environmental setting and a discussion of impacts to developed and undeveloped land uses in the Program Area from the No Program and Program alternatives.
- **Chapter 5, Noise** presents the environmental setting and a discussion of noise impacts of the pesticide applications from the No Program and Program alternatives.
- **Chapter 6, Air Quality Change** presents the environmental setting and a discussion of impacts to air quality from the No Program and Program alternatives.
- **Chapter 7, Public Services and Hazard Response** presents the environmental setting and a discussion of impacts to these resources from the No Program and Program alternatives.
- **Chapter 8, Human Health** presents the environmental setting and a discussion of impacts to human health based on the human health risk assessment for the chemical treatment alternatives including the No Program Alternative.
- **Chapter 9, Aquatic Resources** presents the environmental setting and a discussion of impacts to these biological resources from the No Program and Program alternatives.
- **Chapter 10, Terrestrial Resources** presents the environmental setting and a discussion of impacts to these biological resources from the No Program and Program alternatives.

- **Chapter 11, Water Resources** presents the environmental setting and a discussion of impacts to the affected watersheds and water supplies from the No Program and Program alternatives.
- **Chapter 12, Ecological Health** presents the environmental setting and a discussion of impacts to the health of ecological systems from the No Program and Program alternatives based on the ecological risk assessment.
- **Chapter 13, Greenhouse Gases and Climate Change** evaluates the production of greenhouse gases and the potential for incremental impacts to global climate change.
- **Chapter 14, Cumulative Impacts** presents a discussion of potential cumulative impacts from the incremental impacts of the Proposed Program to the resources previously discussed when added to other past, present, and reasonably foreseeable future activities, in particular, pesticide use.
- **Chapter 15, Other Required Disclosures** is comprised of other analyses required by CEQA including growth-inducing impacts and irreversible or irretrievable commitments of resources.
- **Chapter 16, Alternatives** presents the CDFA's consideration of a reasonable range of alternatives, the screening of those alternatives to the ones included in the Proposed Program, and a comparative analysis of the impacts of the selected alternatives.
- **Chapter 17, Report Preparers** lists the persons and organizations involved in the preparation of this PEIR.
- **Chapter 18, References** identifies the organizations and persons consulted and references cited in this PEIR.

Volume 2 contains the following technical appendices:

- **Appendix A, Host Plant Species**
- **Appendix B, Agricultural and Horticultural Resources and Economics**
- **Appendix C, Air Quality Technical Report**
- **Appendix D, Human Health Risk Assessment**
- **Appendix E, Lists of Species**
- **Appendix F, Ecological Risk Assessment**
- **Appendix G, Evaluation of Greenhouse Gas Emissions**
- **Appendix H, Process Used to Select Tools for Use in the Light Brown Apple Moth Eradication Program**