

Background

The Pacific Area-Wide Pest Management Program for Methyl Bromide Alternatives (PAW-MBA) was initiated in 2006 to develop and demonstrate alternatives to preplant soil fumigation with methyl bromide in key western cropping systems. As the research and demonstration aspects of the PWA-MBA program near conclusion, an extension and outreach effort has been initiated to summarize the results of the research, identify solutions and remaining challenges, and extend information to stakeholders, regulatory agencies, and other interested parties.

The Pacific Area-Wide Website (www.ucanr.edu/sites/PAWMBA/)

Website organization:

- Welcome page and site map
- Background on the methyl bromide issues and justification for the PAW
 - Soil fumigation
 - Methyl bromide phaseout
 - PAW-MBA program objectives
- Emission reduction projects
- Nursery projects
- Production projects
- Leadership and project teams
- Image and document gallery
- List of publications related to the PAW-MBA
- Acknowledgement of USDA-ARS funding



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Objectives

The specific objectives for this outreach and extension effort include:

- Building and maintaining a website that 1) summarizes and interprets findings from the Pacific Area-Wide Pest Management Program and 2) provides additional information that will support ongoing development and implementation of methyl bromide alternatives.
- Publishing a special issue of the journal "California Agriculture" devoted to integrated methyl bromide alternatives in the PAW-MBA and related research.

The screenshot shows the website's homepage with a navigation menu on the left, a 'Welcome' section with introductory text, and sections for 'Emission Projects', 'Production Projects', and 'Nursery Projects'. It also features a 'Where are we?' map of California and a 'On this website:' section with links to various resources.

This screenshot shows the 'Emission Projects' page, which details various projects aimed at reducing non-target fumigant emissions. It includes text about fumigant alternatives and a list of specific projects like 'Lab assessments of traps for fumigant containment'.

- *Semi-technical level of data presentation*
- *Technical information available in linked or referenced reports*

This screenshot shows the 'Production Projects' page, which focuses on fruit and nut crop systems. It lists various production projects such as 'Almonds and stonefruit orchards', 'Walnut orchards', 'Grape vineyards', and 'Strawberry production fields'.

This screenshot shows the 'Nursery Projects' page, which describes projects for producing planting stock. It lists various nursery projects like 'Cut flowers and ornamentals', 'Sweet Potato Hortobeds', and 'Forest Nurseries'.

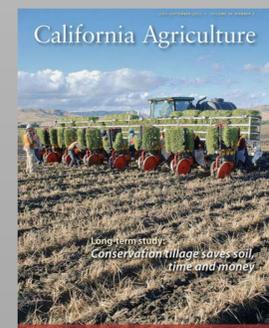
- *Results are easily shared with stakeholders and interested parties via search engines*
- *Opportunities for updates as new data become available*

The Pacific-Area Wide Integrated Methyl Bromide Alternatives Program funding provided by:

Website hosted by: Agriculture and Natural Resources, University of California

Website Progress

- A website shell was developed using a UCANR website tool (SiteBuilder 3.0).
 - Chosen for long-term ease of use and maintenance considerations.
- Two PAW-MBA projects (one nursery and one production) were used to develop templates and website organization during 2011/12.
- Other PAW-MBA Project Leaders provided information and supporting materials for the website during 2012. The technician worked with each team leader to develop an appropriate web presentation but the scientists were responsible for all content.
- 112 web pages have been posted on aspects of:
 - 2 Emission projects, 5 Nursery projects, 4 Production projects.
- Website maintenance will continue through 2015 and content updated as requested by project leaders.



Special issue of California Agriculture (<http://californiaagriculture.ucanr.org>)

After evaluating several options, a special issue of California Agriculture was determined to be an appropriate platform to extend PAW-MBA information to stakeholders in a written format. This peer-reviewed journal has the stated mission of publishing "refereed original research, and reviews, in a form accessible to a well-educated audience" rather than strictly to a scientific audience.

Titles and manuscript outlines were solicited from PAW-MBA project leaders and the articles for this issue are being prepared and submitted to the journal's managing editors by the lead authors for each project. All manuscripts will go through a normal path of peer review and revision, as needed before publication in the special issue of California Agriculture. The collection will be published in 2013.

Acknowledgements

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- Research data presented in the PAW-MBA website and in the special issue of California Agriculture were developed by the individual research teams.
- The website design and organizational efforts of Ariana Rundquist is gratefully acknowledged.