PLANT PROTECTION AND QUARANTINE METHODS DEVELOPMENT PROJECTS 2009-2010: ALTERNATIVES TO METHYL BROMIDE

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A 15-minute Powerpoint presentation will be given at the 2009 meeting in San Diego and will also be posted at the mbao.org website. The Powerpoint illustrates the projects APHIS-PPQ is funding in 2009-2010.

APHIS-PPQ will be spending more money on methods development than it has in a long time, mainly because it has started a new treatment methods lab in Miami, Florida. Projects are managed out of the PPQ Otis, Mission, Ft. Collins, Raleigh, Gulfport, Miami and Moss Landing locations. Methods will be used by PPQ field programs, trade programs, and ports of entry, and by Customs and Border Protection operations at ports of entry. In each project, the method replaces methyl bromide which has been or could be an option. The project titles are as follows:

- Start-up of new Miami treatment and inspection methods development laboratory
- Risk, inspection, and washing treatment studies on leprosis mite vector on citrus and grape
- Development of infrastructure and capacity building for US export specialty crop irradiation treatments
- Cold and hot water commodity treatment development for *Bactrocera invadens*
- Sulfuryl fluoride treatment for snails on propagative material
- Efficacy of packinghouse brushing for armored scale on avocado
- Efficacy of phosphine for light brown apple moth on fruits and nursery plants

- Efficacy of hot water for control of *Ceratitis capitata* in passionfruit
- Likelihood of establishment in the US of *Copitarsia* spp. via the cut flower pathway
- Efficacy of ozone treatment for coffee berry borer in dried coffee beans
- Washing treatment for Kaffir lime leaves for Asian citrus psyllid
- Efficacy of chlorine foam and other decontamination technology for farm equipment