

PROGRAM

Monday Evening, 10 November 2008

2:00pm to 4:00pm	CPC	Location: Cape Canaveral/Volusia
5:00 pm to 7:00 pm	Registration:	Location: Convention Registration Desk
1:00 pm to 5:00 pm	Set Up Poster:	Location: Lake
8:00-10:00 pm	US/Canada Methyl Bromide Working Group	Location: Cape Canaveral/Volusia

Tuesday Morning, 11 November 2008

6:30 am	Registration:	Location: Convention Registration Desk
7:00 am	Set Up Poster Presentations:	Location: Lake
7:00 am	Coffee:	Location: Lake

8:00 am	PLENARY SESSION: Welcome, ODP, CUE, MBTOC, Fumigation Review	Location: Orange
Moderator:	Reggie Brown	
8:00-8:15	Welcome Reggie Brown, MBAO, Chief Executive Officer	
8:15-8:45	Stephen Montzka (1)-Methyl Bromide in the Atmosphere: A Scientific Overview and Update.	
8:45-9:15	Steve Bradbury (2) - Cluster Fumigation Review.	
9:15-9:45	Ross Brennan (3)- CUE (Carryover Stocks, CAA Reporting)	
9:45-10:00	Gary Obenauf-Housekeeping	

10:00 am – 10:30 am	Break	Location: Lake
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10:30 am – 12:00 noon		Location: Orange
PLENARY SESSION – Regulatory, National Strategy		
Moderator:	Reggie Brown	
10:30-11:00	Randy Segawa (4) - DPR /VOCs, Fumigants, etc.	
11:00-11:30	William Hoffman (5) – USDA CSREES Methyl Bromide Transition Grant Program, Farm Bill funding.	
11:30-12:00	Dan Chellemi/Gregg Browne (6) – Area-Wide Projects.	

12:00 until 1:00 pm	LUNCH BREAK
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Tuesday Afternoon, 11 November 2008

Registration:

Location: Convention Registration Desk

<p>Preplant Session 1: Submitted Papers Area Wide Pest Management Project Moderator: Sally Schneider 1:00-1:20 Culpepper, Stanley (7) - DMDS or the 3 – Way: Which is More Effective in Georgia. 1:20-1:40 Chellemi, Dan (8) - Field Validation of a Fumigant Alternative to Methyl Bromide. 1:40-2:00 Welker, Rob (9) -On-Farm Research and Extension Activities to Implement MB Alternatives: An Area Wide Initiative Update. 2:00-2:20 Noling, J. W. (10) - Large Scale Demonstration Trialing of Methyl Bromide Alternatives in Florida Strawberry. 2:20-2:40 Fennimore, Steven, (11) - Facilitating Adoption of Alternatives to Methyl Bromide in California. 2:40-3:00 Browne, Greg (12)- Integrated Preplant Alternatives to Methyl Bromide for Almonds and Other Stone Fruits.</p>	<p>Loc: Orange</p>	<p>Postharvest Session I: Submitted Papers Physical/Radiofrequency Moderator: Frank Arthur 1:00-1:20 Lagunas-Solar, Manuel (69)-Disinfection and Disinfestation Approach of Nut and Grain Products with Radiofrequency Power. 1:20-1:40 Chen, Zhangjing (70) - Efficacy of Vacuum/Steam Treatment of Mold Fungi in Cotton Bales. 1:40-2:00 Johnson, Judy (71)-Vacuum Treatments for California Tree Nuts. 2:00-2:20 Ferizli, Guray (72)-Museum Fumigation. 2:20-2:40 Emekci, Mevlut (73)-Insect Disinfestations of Historic Artifacts by Modified Atmospheres. 2:40-3:00 Discussion Session</p>	<p>Loc: Osceola</p>
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2:30 pm – 3:00 pm

Break

Location: Lake

<p>Preplant Session II: Submitted Papers Area Wide Pest Management Project Moderator: Gregg Browne 3:30-3:50 Quicke, Marie (13) - 2008 Area-wide Demonstration of Alternatives: Forest Nurseries in the Southern US. 3:50-4:10 Wang, Dong (14) - Methyl Bromide Alternatives for Vineyard Replant. 4:10-4:30 Weiland, Jerry (15) - Methyl bromide Alternatives in Oregon and Washington Forest Tree Nurseries. 4:30-4:50 Kluepfel, Dan (16) – Examination of Preplant Methyl Bromide Alternatives in a Walnut Tree Replant Site. 4:50-5:10 Ajwa, Hussein (17) - Fumigant Emissions Reduction by Using Low Permeability Film and Thiosulfate Water Seal. 5:10-5:30 Yates, Scott (18) - Update of Film Permeability Measurements for USDA-ARS Area-wide Research project.</p>	<p>Loc: Orange</p>	<p>Postharvest Session II: EPA Session EPA Determination of Structural Fumigation Profiles Moderator: Jeff Dawson 3:30-3:50 Dawson, Jeff (74) - EPA Overview. 3:50-5:00 Discussion Session</p>	<p>Loc: Osceola</p>
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5:30 pm – 6:30 pm

POSTER SESSION

Moderator: Jeremy Arling

Location: Lake

6:30 pm – 8:00 pm

RECEPTION

Location: Lake

Wednesday Morning, 12 November 2008, Concurrent Sessions

7:00 am Registration: **Location: Convention Registration Desk**
7:00 am Coffee: **Location: Lake**

<p>Preplant Session III: Submitted Papers Loc: Orange Area Wide Pest Management Projects & Reduced Fumigant Emissions Moderator: Hussein Ajwa 8:00-8:20 Upadhuaya, Shrini K. (19) - Tree Planting Site-Specific Fumigant Application To Control Almond Replant Disease. 8:20-8:40 Chellemi, Dan O. (20) - Improved Retention of a Soil Fumigant During Solid Tarp Application. 8:40-9:00 Sumner, Paul E. (21) - Soil Moisture Effects on Emission of Chloropicrin and Dimethyl Disulfide. 9:00-9:20 Gao, Suduan (22) - Dynamic Flux Chamber Systems for Fumigant Emission Measurements. 9:20-9:40 Yates, Scott (23) - Reducing Field-Scale Emissions of 1,3-D with Sequential Surface Irrigations. 9:40-10:00 Noling, J. W. (24) - Measuring Fumigant Concentrations and Persistence in Soil with PID – VOC Detectors.</p>	<p>Postharvest Session III: Submitted Papers Loc: Osceola QPS/Recapture Moderator: Jim Leesch 8:00-8:20 Armstrong, Jack (75)-Ozone Fumigation to Control Quarantine Pests in Green Coffee. 8:20-8:40 van Someren Graver, Jan (76)-QPS Treatments with Methyl Bromide with Minimal Emissions: Is it a Possibility? 8:40-9:00 Williame, Eddy (77) - Razem a Methyl Bromide Recovering and Zero Emission Modular System. 9:00-9:20 Brash, Ken (78) – QPS & Residual Gas Extraction Systems. 9:20-9:40 Fox, Patricia (79)-AFAS: Methyl Bromide and Beyond. 9:40-10:00 Joyce, Peter (126) - Design Considerations for Large Scale Methyl Bromide Emissions Controls</p>
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10:00 am – 10:30 am **Break & Poster Session** **Location: Lake**

<p>Preplant Session IV: Submitted Papers Loc: Orange Area Wide Projects for Nurseries, Ornamental, and Floriculture Moderator: Steve Fennimore 10:30-10:50 Hanson, Bradley D. (25) - Pest Control with California Approved Nursery Stock Certification 1,3-D treatments. 10:50-11:10 Walters, Thomas (26) - Methyl Bromide Alternatives for Raspberry Nurseries. 11:10-11:30 Stoddard, C. Scott (27) - Methyl Bromide Fumigation Alternatives for Sweet Potato Hotbeds in California. 11:30-11:50 Rosskopf, Erin (28) - Area-wide Demonstration of Chemical Alternatives to Methyl Bromide for Florida Ornamentals. 11:50-12:00 Klose, Susanne (29) - Pest Control in Field-grown Ranunculus without Methyl Bromide.</p>	<p>Postharvest Session IV: Submitted Papers Loc: Osceola Structural Fumigation Moderator: Pamela Peckman 10:30-10:50 Glennon, Dennis (80)-Update: Automated Web-based Infrared Monitoring for Quarantine Fumigations. 10:50-11:10 Marcotte, Michelle (81)-Technical Efficacy, Costs and Adoption of Methyl Bromide Alternatives in Flour Mills. 11:10-11:30 Arthur, Frank (82) - Esfenvalerate Plus Methoprene Aerosol to Control the Indianmeal Moth. 11:30-11:50 Campbell, James (83) – Evaluating Impact of Structural Fumigation on Pest Populations. 11:50-12:00 Discussion Session</p>
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12:00 noon – 1:00 pm **Lunch**

Wednesday Afternoon, 12 November 2008, Concurrent Sessions

Registration:

Location: Convention Registration Desk

<p>Preplant Session V: Submitted Papers USDA ARS Area Wide Projects & Emission Reduction Moderator: Dan Chellemi 1:00-1:20 Ntow, William Joseph (30) - Monitoring of Chloropicrin Field Emissions from Shank Applications at Shallow and Deep Injection Sites. 1:20-1:40 Qin, Ruijun (31) - Shank Designs and Soil Surface Treatments on 1,3-D Emissions in a Nursery Field Trial. 1:40-2:00 Yates, Scott (32) - Reducing Field-Scale Emissions of 1,3-D with Composted Municipal Green-Waste. 2:00-2:20 Wang, Dong (33) - Reducing 1,3-D and Chloropicrin Emissions with Subsurface Drip and VIF. 2:20-2:40 Gao, Suduan (34) - Emissions of 1,3-Dichloropropene and Chloropicrin From Soils with Manure Amendment and Post-Fumigation Water Treatment. 2:40-3:00 Ajwa, Hussein (35) - Testing Film Permeability to Fumigants Under Laboratory and Field Conditions.</p>	<p>Loc: Orange</p>	<p>Postharvest Session V: Submitted Papers Sulfuryl Fluoride Moderator: Thomas Phillips 1:00-1:20 Thoms, Ellen (84) – ProFume Update: Post – Harvest Commercial Acceptance and Performance in the US. 1:20-1:40 Buckley, Stanislas (85) – Adoption of ProFume in Europe After the Phase Out. 1:40-2:00 Walse, Spencer (86) – Multifactor Exploration of the Insecticidal Efficacy and Degradation of Sulfuryl Fluoride in Stored Walnuts. 2:00-2:20 Klementz, Dagmar (87) – Sulfuryl Fluoride Against All Stages of Rust-Red Grain Beetle and Merchant Grain Beetle. 2:20-2:40 Reichmuth, Christoph (88) – How to Overcome the Egg-Weakness of Sulfuryl Florida - Combinations of Control Methods. 2:40-3:00 Discussion Session</p>	<p>Loc: Osceola</p>	
<p>3:00 pm – 3:30 pm</p>		<p>Break</p>		<p>Location: Lake</p>
<p>Preplant Session VI: EPA Session Risk Mitigation Requirements for Soil Fumigants Moderator: John Leahy 3:30-4:00 Leahy John /Steven Weiss (59) 4:00-5:30 Discussion Session</p>	<p>Loc: Orange</p>	<p>Postharvest Session VI: Submitted Papers Sulfuryl Fluoride Moderator: Christoph Reichmuth 3:30-3:50 Phillips, Tom (89) – Efficacy of Sulfuryl Fluoride to Control Ham Mites and Red-Legged Ham Beetles. 3:50-4:10 Sekhon, R. (90) – Chemical Composition of Dry Cured Hams Fumigated with Sulfuryl Fluoride. 4:10-4:30 Thoms, Ellen (91) – Confirmation of Proposed Sulfuryl Fluoride Quarantine Dosages for Pinewood Nematode Control. 4:30-4:50 Thoms, Ellen (92) – Sulfuryl Fluoride as a Quarantine Treatment for the Emerald Ash Borer in Firewood. 4:50-5:10 Discussion Session</p>	<p>Loc: Osceola</p>	

Thursday Morning, 13 November 2008, Concurrent Sessions

7:00 am	Registration:	Location: Convention Registration Desk
7:00 am	Coffee:	Location: Lake
Preplant Session VII: Submitted Papers	Loc: Orange	Postharvest Session VII: Submitted Papers
Film, DMDS and Hydrogen Cyanamide		Phosphine/Area-wide
Moderator: Scott Yates		Moderator: Spenser Walse
8:00-8:20 Villahoz, Marcello D. (37) - TIF (Totally Impermeable Film): An Innovative Film for Mulch, Broadcast Fumigation and Greenhouses in Agriculture.		8:00-8:20 Brash, Don (93) – Phosphine for Disinfestation of Pine Logs and Sawm Timber from New Zealand.
8:20-8:40 Chow, Edgard A. (38) - Properties of EVOH and TIF Films for the Reduction of Fumigant Dosage and VOC Emission.		8:20-8:40 Kostyukovsky, Moshe (94) – Phosphine Fumigation with Speedbox: Effectiveness and Advantages.
8:40-9:00 McKown, Clem (39) - Paladin® - Dimethyl Disulfide as a Replacement Soil Fumigant for Methyl Bromide.		8:40-9:00 Phillips, Neil (95) – QuickPHlo-R Phosphine Fumigation System – A New, Safer Approach.
9:00-9:20 Du Fretay, Gael (40) - Promising Results in Europe with DMDS for Soil Fumigation.		9:00-9:20 Siegel, Joel (96) – Navel Orangeworm Area-Wide Control Program.
9:20-9:40 Welker, R. M. (41) - Paladin as a Methyl Bromide Alternative in Tomatoes: Drip vs. Shank Application Methods.		9:20-9:40 van Golen, Jacobien (123) – EcO₂ Low-Oxygen Disinfestation of Post Harvest Commodities, Structures, Silos and (Export/Import) Containers.
9:40-10:00 Rodriguez-Kabana, Rodrigo (42) - Pesticidal Properties of Hydrogen Cyanamide: a Nonfumigant Water Soluble Compound.		9:40-10:00 Hosoda, Ed (125) – ECO2FUME and VAPORH₃ as Methyl Bromide Alternatives.

10:00 am – 10:30 am	Break	Location: Lake
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Preplant Session VIII: Submitted Papers	Loc: Orange	Postharvest Session VIII: Submitted Papers	Loc: Osceola
Iodomethane and Metham		Chemical Alternatives	
Moderator Nancy Burelle		Moderator: Joel Siegel	
10:30-10:50 Olsen, Bernard (43) - Midas® Soil Fumigant Update – Commercial Use and Results.		10:30-10:50 van Someren Graver, Jan (97) – Efficacy of Ethaneditile at Low Temperature Against Cereal Pathogens: a Situation Report.	
10:50-11:10 Sances, F. V. (44) - Expanded Field Testing & Commercial Development of Symmetry® Fumigant Application Technology.		10:50-11:10 van Someren Graver, Jan (98) – Ethyl Formate Reformulated a Potential Fumigant for the Grain Industry.	
11:10-11:30 Noling, J. W. (45) - Determining Metham Sodium lethal Dosage for Nematodes in Grower Field Microplots.		11:10-11:30 Griffith, Tom (99) – Propylene Oxide a Versatile Post Harvest Fumigant.	
11:30-11:50 Norton, Jack A. (46) - Metam Combinations as Alternatives to Methyl Bromide in US-Grown Strawberries and Mulched Vegetables.		11:30-11:50 Muhareb, Jeannette (124) – Evaluation of Combining Sulfuryl Fluoride, Propylene Oxide & CO₂ for Stored Product Insect Control.	
11:50-12:10 Sullivan, David (47) - Advancements in Emission Assessment and Dispersion Modeling Methods for Metam Sodium.		11:50-12:00 Discussion Session	

Thursday Afternoon, 13 November 2006, Concurrent Sessions

Registration:

Location: Convention Registration Desk

<p>Preplant Session IX: Submitted Papers Acrolein, Propylene Oxide, XRM-5162 Moderator: Joseph Noling 1:00-1:20 Griffith, Tom (48) - Propylene Oxide Update. 1:20-1:40 Busacca, John (49) - Efficacy of XRM-5162 Against Nutsedge (<i>Cyperus Spp</i>) in Small Plot Trials. 1:40-2:00 Belcher, Jason (50) - Strawberry and Tomato Response to Acrolein. 2:00-2:20 Welker, R. M. (51) - Drip Applied Acrolein With and Without VIF Mulch as a Methyl Bromide Alternative in Tomatoes. 2:20-2:40 Lopez-Aranda, Jose M. (53) - Strawberry Production In Spain: Alternatives to MB, 2008 Results. 2:40-3:00 Simmons, Lee J. (52) - Effects of Drip-Applied Acrolein on Natural Soil Populations of Tricoderma and Fusarium.</p>	<p align="center">Loc: Orange</p>	<p>Preplant Session X: Submitted Papers Physical and Biocontrol Alternatives Moderator: Frank Louws 1:00-1:20 Simmons, Lee J. (57) - Efficacy of Granular <i>Pasteuria usage</i> for Controlling Sting Nematodes in Turfgrass and Golf Greens. 1:20-1:40 Hewlett, T. E. (55) - <i>Pasteuria</i> Field Studies Using Endospores to Control Sting Nematode on Turf. 1:40-2:00 Simmons, Lee J. (56)- Technical Progress and Commercial Launch of <i>Pasteuria usage</i> for Control of Sting Nematode (<i>Belonolaimus longicaudatus</i>) on Turf and Strawberries. 2:00-2:20 McSorley, Robert (54) - Methyl Bromide Alternatives for Floriculture Production In A Problem Site. 2:20-2:40 Fennimore, Steven (58) - Steam and Heat for Soil Disinfestation. 2:40-3:00 Besri, Mohamed (60) - Cucurbits Grafting as Alternative to Methyl Bromide for Cucurbits Production in Morocco.</p>	<p align="center">Loc: Osceola</p>
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<p>3:00 pm – 3:30 pm</p>	<p align="center">Break</p>	<p align="right">Location: Lake</p>
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<p>Preplant Session X: EPA Workshop EPA Fumigant Emission Workshop Moderator: Jeff Dawson 3:30-4:00 Dawson, Jeff & Charles Smith (36) 4:00-5:30 Discussion Session</p>	<p align="center">Loc: Orange</p>	<p align="center">Open</p>	<p align="right">Loc: Osceola</p>
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<p>5:30 pm – 7:00 pm</p>	<p align="center">RECEPTION</p>	<p align="right">Location: Lake</p>
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Friday Morning, 14 November 2008, Concurrent Sessions

7:00 am	Registration:		Location: Convention Registration Desk
7:00 am	Coffee:		Location: Lake
Preplant Session XI: Submitted Papers		Loc: Orange	Open
Grafting			Loc: Osceola
Moderator:	Erin Rosskopf		
8:00-8:20	Louws, Frank J. (61) - Grafting as a Viable Tool to Manage Major Tomato Diseases in the Southeastern USA.		
8:20-8:40	Bausher, Michael G. (62) - Performance of Tomato Rootstocks to Natural Populations of Root-Knot Nematode.		
8:40-9:00	Kokalis-Burelle, Nancy (63) - Alternative Fumigants and Grafting for Tomato and Double-Cropped Muskmelon Production in Florida.		
9:00-9:20	Kubota, Chieri (64) - A Multidisciplinary Project for Introducing Vegetable Grafting in the U. S. A..		
9:20-9:40	Starkey, Tom (65) - Tolerance of Pine Seedlings to Shank-Injected Nematocides.		
9:40-10:00	Discussion Session		
10:00 am – 10:30 am		Break	Location: Lake
Preplant Session XIII: Submitted Papers		Loc: Orange	Open
Physical and Chemical Alternatives			Loc: Osceola
Moderator:	Marie Quicke		
10:30-10:40	Lopez-Aranda, Jose M. (66) - SEMARNAT/UNIDO Demonstrations on MB Alternatives for Strawberry In Baja California (Mexico), Preliminary results.		
10:40-11:00	Lopez-Aranda, Jose M. (67) - Strawberry Nurseries in Spain: Alternatives to MB, 2007 Results.		
11:00-11:20	Fennimore, Steven (68) - Soil Disinfestation with Steam and Solarization for Flower and Strawberry.		
11:20-11:40	Discussion Session		

The End – Hope to see you next year in San Diego, California!

POSTER PRESENTATIONS

Moderator: Jeremy Arling

PREPLANT:

- Westerdahl, Becky** (100) - Trap Cropping for Managing Nematodes on Carrots in California.
Hewlett, Thomas (101) - Germination and Infection Rate of in Vitro *Pasteuria* Spores on Sting Nematode.
Nyczepir, Andrew (102) - Evaluation of Six Common Peach Rootstocks to *Meloidogyne Mayaguensis*.
Kokalis-Burelle, Nancy (103) - Efficacy of Rootstocks for Control of *Meloidogone Incognita* on Grafted Tomato and Cantaloupe.
Robinson, Philip (104) - Paladin (Dimethyl Disulfide) Experimental Use Permit Progress Report.
Lopez-Aranda, Jose (105) - Alterbromide: Dissemination of Sustainable Alternatives to Methyl Bromide.
Fennimore, Steve (106) - Evaluation of Acrolein for Pest Control in Tomato.
Kobara, Yuso (107) - Temperature Dependency of Soil Disinfection with Low Concentration of Ethanol.
Walker, Robert (108) - Basamid + Eptam: Replacement for Methyl Bromide in Warm-Season Sod Production.
Muramoto, Joji (109) - Effect of Anaerobic Soil Disinfestation on Weed Seed Germination.
Gerik, James (110) - Dose Response of *Agrobacterium Tumefaciens* to Soil Fumigants.
Roberts, Daniel (111) - Suppression of *Phytophthora Capsici* on Bell Pepper with Isolates of Trichoderma.
Ajwa, Husein (112) - Behavior of Methyl Isothiocyanate in Soil after Application of Metam Sodium and Metam Potassium.
Hall, Linda (113) - 1,3-Dichloropropene (Telone): Protecting Bystander & Worker Health.
Qin, Ruijun (114) - Low Permeable Tarps Reduce Emission from Drip-Applied Inline in a Strawberry Field Trial.
Samtani, Jayesh (115) - Continuous Use of Alternative Fumigants for Three Years in Strawberries.
Coosemans, Jozef (116) - Chemical Alternatives of MBr for Use in Greenhouse Grown Lettuce in Belgium.

POSTHARVEST:

- Kumar, Pratima** (117) - Laboratory Trials on Ethyl Formate, a Substitute of Methyl Bromide as Fumigant for Animal Feed.
Ryan, Robert (118) - Recycled Carbon Dioxide – the Veteran & Versatile Pesticide.
Fox, Patricia (119) - Regulation and Management of Fumigations through AFAS.
Mason, Linda (120) - Insect Pests in Food Plants Prior to, During and Post Sulfuryl Fluoride or Methyl Bromide Fumigation.
Myers, Scott (121) - Efficacy of Phosphine at Low Temperature for Insects of Quarantine Significance.
Vroom, Nico (122) - EcO₂ Controlled Atmosphere Used to Control Insects in Sesame Seed from Greece.