

PROGRAM

Sunday Evening, 28 October 2007

2:00-4:00	CPC Meeting	Location: San Diego 1&2
5:00 pm to 7:00 pm	Registration:	Location: South/West Foyer
1:00 pm to 5:00 pm	Set Up Poster:	Location: Ballroom VI-VIII
8:00-10:00	US/Canada Methyl Bromide Working Group	Location: San Diego 1&2

Monday Morning, 29 October 2007

6:30 am	Registration:	Location: South/West Foyer
7:00 am	Set Up Poster Presentations:	Location: Ballroom VI-VIII
7:00 am	Coffee:	Location: Ballroom VI-VIII

8:00 am	PLENARY SESSION: Welcome, ODP, Regulatory	Location: Ballroom I-V
Moderator:	Reggie Brown	
8:00-8:15	Welcome Reggie Brown, MBAO, Chief Executive Officer	
8:15-8:40	Jim Butler-Methyl Bromide in the Atmosphere: A Scientific Overview and Update	
8:40-9:05	Rick Keigwin – Regulatory Status of Alternatives EPA	
9:05-9:30	Paul Gosselin – California Regulatory Update	
9:30-9:55	Reinouw Bast-Tjeerde- International Plant Protection Convention: Global Efforts to Reduce Methyl Bromide Emissions	
9:55-10:05	Gary Obenauf-Housekeeping	

10:05 am – 10:30 am	Break	Location: Ballroom VI-VIII
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10:30 am – 12:00 noon		Location: Ballroom I-V
PLENARY SESSION – Montreal Protocol, CUE, Risk Assessment, CSREES		
Moderator:	Reggie Brown	
10:30-10:50	John Thompson– Montreal Protocol after 20 Years	
10:50-11:10	Ross Brennan – CUE (Carryover Stocks, CAA Reporting)	
11:10-11:30	John Leahy – EPA Risk Assessment Needs	
11:30-12:00	William Hoffman (P-1) – CSREES Methyl Bromide Transition Integrated Grants Program	

12:00 until 1:00 pm	LUNCH BREAK
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Monday Afternoon, 29 October 2007, Concurrent Sessions

Registration:		Location: South/West Foyer	
Preplant Session I: Submitted Papers		Loc: Ballroom I-IV	
Emission Measurement and Reduction		Postharvest Session I: Submitted Papers	
Moderator: Joe Noling		Loc: Ballroom V	
1:00-1:20	Yates, Scott R. (1) Simple methods to Evaluate New Emission Reduction Methods	1:00-1:20	Maier, Dirk (78) Application Aspects of Improving Structural Fumigation
1:20-1:40	Ashworth, Daniel J. (2) Laboratory Measurements of Fumigant Emissions from Agricultural Soils	1:20-1:40	Reichmuth, Christoph (79) Safer and More Efficient Use of Fumigants to Reduce the Dosage
1:40-2:00	Wang, D. (3) Estimating Plastic Film Permeability Under Field Conditions	1:40-2:00	Maier, Dirk (80) Biosensing Approach for Quantifying Fumigation efficiency & Reduced MeBr Use
2:00-2:20	Ajwa, Husein (4) Plastic Film Permeability to Fumigants	2:00-2:20	Glennon, Dennis (81) Automated Web-Based Infrared Monitor for ISWPM-15 & Quarantine Fumigation
2:20-2:40	Qin, Ruijin (5) Effect of Soil Moisture on Emissions and Distributions of Fumigants in Columns	2:20-2:40	Mattner, Scott (82) Disinfestation of Expanded-Polystyrene Seedling Trays in the Australian Tobacco Industry
2:40-3:00	Ajwa, Husein (6) Fumigant Emission Reductions by Using Low Permeability Film and Thiosulfate Water Seal	2:40-3:00	Discussion Session
3:00-3:10	Discussion Session		
3:00 pm – 3:30 pm		Break	
3:00 pm – 3:30 pm		Location: Ballroom VI-VIII	
Preplant Session II: Submitted Papers		Loc: Ballroom I-IV	
Area-Wide Pest Management Project – Pacific Region Component (1)		Postharvest Session II: Submitted Papers	
Moderator: Sally Schneider		Loc: Ballroom V	
3:30-3:40	Schneider, Sally Introduction to the Area-Wide Pest Management Program on Methyl Bromide Alternatives	3:30-3:50	Johnson, Judy (83) Effect of Product Moisture on Efficacy of Vacuum Treatments for Tree Nuts
3:40-4:00	Fennimore, S. (7) Facilitating Adoption of Alternatives to Methyl Bromide in California Strawberries	3:50-4:10	Liu, Yong-Biao (84) Ultralow Oxygen Treatment for Postharvest Control of Western Flower Thrips on Head Lettuce
4:00-4:20	Browne, Greg (8) Integrated Pre-Plant Alternatives to Methyl Bromide for Almonds and Other Stone Fruits	4:10-4:30	Winegar, Eric (85) Modeling and Measurement of Methyl Bromide Emissions at Food Processing
4:20-4:40	Upadhaya, Shrini K (9) Tree Planting Site-Specific Fumigant Application to Control Almond Replant Disease	4:30-4:50	Joyce, Peter (86) Methyl Bromide Scrubber System for Large Quarantine & Pre-Shipment Applications
4:40-5:00	Kluepfel, Daniel (10) Methyl Bromide Alternatives for use in Walnut Production Systems	4:50-5:10	Brash, Ken (87) Fumigation Recapture (Video)
5:00-5:20	Wang, D. (11) Methyl Bromide Alternatives for Vineyard Replant: Assessment of Control Efficacy, Fumigant Movement and Crop Response	5:10-5:20	Discussion Session
5:20-5:40	Gerik, Jim (12) Pacific Area Wide MB Alternatives Program for Cut Flower and Bulb Crops		
5:30 pm – 6:30 pm		POSTER SESSION	
5:30 pm – 6:30 pm		Moderator: Larry Zettler	
6:30 pm – 8:00 pm		Location: Ballroom VI-VIII	
6:30 pm – 8:00 pm		Location: Ballroom VI-VIII	
6:30 pm – 8:00 pm		RECEPTION	

Tuesday Afternoon, 30 October 2007, Concurrent Sessions

Preplant Session V: Submitted Papers New Products Performance Evaluation	Loc: Ballroom I-IV	Postharvest Session V: Submitted Papers Sulfuryl Fluoride as an Alternative	Loc: Ballroom V
Moderator: Steve Fennimore		Moderator: Judy Johnson	
1:00-1:20 Arnold, Frank (23) Measuring New Fumigants with Draeger-Tubes®		1:00-1:20 Williams, R. E. (94) ProFume® Gas Fumigant as an Alternative to Methyl Bromide for Chamber Fumigation of Dates	
1:20-1:40 Welker, Rob (24) DMDS and Acrolein Studies in Strawberry and Tomato Production Systems		1:20-1:40 Schilling, M. W. (95) Sulfuryl Fluoride Fumigation Effect on the Composition of Dry Cured Ham Slices	
1:40-2:00 Ajwa, Husein (25) Evaluation of Acrolein for Strawberry Production		1:40-2:00 Bookout, Anne (96) Update on Commercial Use of ProFume® on Stored Cocoa	
2:00-2:20 Ajwa, Husein (26) Acrolein as Potential Alternative to Methyl bromide in California Grown Calla Lillies		2:00-2:20 Hosoda, Ed (97) California ProFume™ Update	
2:20-2:40 Simmons, L. J. (27) The Effects of Acrolein on the Microbiology and Key Biochemical Activities of the Soil		2:20-2:40 Phillips, Thomas W. (98) Sulfuryl Fluoride for Post Harvest Fumigation of Arthropod Pests in Agricultural Products	
2:40-3:00 Belcher, Jason (28) Tomato and Nutsedge Response to Acrolein and Herbicides Applied Preplant		2:40-3:00 Discussion Session	
3:00-3:15 Discussion Session			

3:00 pm – 3:30 pm

Break

Location: Ballroom VI-VIII

Preplant Session VI: Submitted Papers EPA Fumigant Review – Emission Determination of Soil Fumigation Emission Reduction Factors	Loc: Ballroom I-IV	Postharvest Session VI: Submitted Papers Traditional Fumigants and Aerosols	Loc: Ballroom V
Moderator Jeff Dawson/Charles Smith		Moderator: Christoph Reichmuth	
3:30-3:40 Jeff Dawson/Charles Smith (29) EPA Overview		3:30-3:50 Griffith, Tom (99) Propylene Oxide, Registered Fumigant, a Safe Insecticide	
3:40-4:30 Research Panel Discussion Dan Chellemi, USDA, ARS, Ft. Pierce, Fl Dong Wang, USDA, ARS, Parlier, California Scott Yates, USDA, ARS, Riverside, California Hussein Ajwa, University of California, Davis Bruce Houtman, DOW Agrosiences, LLC		3:50-4:10 Kumar, Pratima (100) Significance of Ethyl Formate in Controlling the Fungal Growth in Stored Grains	
4:30-5:30 Open Discussion		4:10-4:30 Arthur, Frank (101) Residual Efficacy of Aerosol Insecticides	
		4:30-4:50 Campbell, James F. (102) Evaluation of Treatments as Methyl Bromide Alternatives for Structural Fumigations	
		4:50-5:10 Gragasin, MA (103) Insecticidal Activities of Essential Oil from <i>Piper betle</i> Linn Against Storage Insect Pests	
		5:10-5:30 Discussion Session	
6:30-8:30 Pacific Area-wide Project meeting			

Wednesday Morning, 31 October 2007, Concurrent Sessions

7:00 am Registration: **Location: South/West Foyer**
7:00 am Coffee: **Location: Ballroom VI-VIII**

<p>Preplant Session VII: Submitted Papers Loc: Ballroom I-IV Methyl Iodide and Other New Fumigant Alternatives Moderator: Frank Louws 8:00-8:20 Ajwa, Husein (30) Efficacy of Drip and Shank Applied Midas for Strawberry Production 8:20-8:40 Poling, Barclay (31) Synopsis of Strawberry Plasticulture Research with Iodomethane in North Carolina Since the Year 2000 8:40-9:00 Olson, Stephen M. (32) Efficacy of Midas® (50/50) as a Soil Fumigant for Tomato Production 9:00-9:20 Bernal, R. F. (33) Effect of Midas (Chloropicrion 62%, Methyl Iodide 33%) On the control of <i>Meloidogyne incognita</i> (Chitwood) Kofoid and White In Greenhouses of Salto Uruguay 9:20-9:40 Wells, Sheryl (34) Granular Forms of Na and K Azides Applied to Established Turf 9:40-10:00 Walker, Robert H. (35) Replacements for Methyl Bromide in a Centipede-grass-Based Sod Rotation System 10:00-10:15 Discussion Session</p>	<p>Preplant Session VIII: Submitted Papers Loc: Ballroom V Cultural Control Moderator: Nancy Burelle 8:00-8:20 Westerdahl, B. B. (36) Cultural Methods for Managing Nematodes on Annual Crops in California 8:20-8:40 Seyb, Alison (37) Overwinter Cover Crops and Root-Knot Nematode Populations in Watermelon Fields 8:40-9:00 Hewlett, T. E. (38) Efficacy of In-Vitro <i>Pasteuria spp.</i> Parasitizing Two Nematode Species 9:00-9:20 Dickson, D. W. (39) Efficacy of the MI Gene in Tomato Against Root-Knot Nematode in Florida 9:20-9:40 Shennan, Carol (40) Optimizing Anaerobic Soil Disinfestation: An Alternative to Methyl Bromide? 9:40-10:00 McSorley, Robert (41) Similarities and Differences in Flower and Vegetable Production in Florida 10:00-10:15 Discussion Session</p>
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10:00 am – 10:30 am **Break** **Location: Ballroom VI-VIII**

<p>Preplant Session IX: Submitted Papers Loc: Ballroom I-IV Emission Reduction and Buffer Zones Moderator: Scott Yates 10:30-10:50 Gao, Suduan (42) Field Tests on Emission Reduction Methods from Telone C-35 Application 10:50-11:10 Hanson, B. D. (43) Effects of Surface Seals on Pest Control Efficacy with 1,3-Dichloropropene/Chloropicrin 11:10-11:30 Sullivan, David A. (44) Concurrent Comparison of Metam Sodium Applied by Chemigation and Shank Injection 11:30-11:50 Noling, J. W. (45) Potential Impacts of Buffer Zones on Florida Strawberry 11:50-12:10 Sullivan, David A. (46) Status Update: Buffer Zones for Agricultural Fumigants 12:10-12:20 Discussion Session</p>	<p>Preplant Session X: Submitted Papers Loc: Ballroom V Cut Flowers and Crop Production Alternatives Moderator: Rob Welker 10:30-10:50 Ajwa, Husein (47) Shank and Drip Applied Soil Fumigants as Potential Alternative to Methyl Bromide In California-Grown Cut Flowers 10:50-11:10 Yilmaz, S. (48) Alternatives to Methyl Bromide For Cut Flowers in Turkey 11:10-11:30 Vencat, Shiva (49) Verdivap Airstream 11:30-11:50 McKenry, M. V. (50) Replanting Vineyards Without Soil Fumigation 11:50-12:10 Cortwright, Brian (51) Managing Melon Soilborne Diseases in Michigan with MBR Alternatives 12:10-12:20 Discussion Session</p>
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12:00 until 1:00 pm **LUNCH BREAK**

Thursday Morning, 1 November 2007, Concurrent Sessions

7:00 am	Registration:	Location: South/West Foyer
7:00 am	Coffee:	Location: Ballroom VI-VIII

Preplant Session XIV: Submitted Papers	Loc: Ballroom I-IV
Dimethyl Disulfide and Strawberry Nurseries	
Moderator: Dan LeGard	
8:00-8:20	Robinson, P. W. (67) Paladin™ (dimethyl disulfide) Experimental Use Permit Progress Report
8:20-8:40	Olson, Stephen M. (68) Efficacy of Paladin™ (dimethyl disulfide, DMDS) as a Soil Fumigant for Tomato and Cantaloupe Production
8:40-9:00	McKown, C. (69) Paladin™ -- Dimethyl Disulfide As a Replacement Soil Fumigant for Methyl Bromide
9:00-9:20	Robinson, P. W. (70) Paladin™ (DMDS) Soil Fumigant Efficacy Summary Update
9:20-9:40	Becker, J. O. (71) Methyl Bromide Replacement Challenges: Impression from Japan
9:40-10:00	Larson, Kirk (72) Strawberry Nurseries: Mebr Alternatives
10:00-10:15	Discussion Session

10:00 am – 10:30 am	Break	Location: Ballroom VI-VIII
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Preplant Session XV: Submitted Papers	Loc: Ballroom I-IV
New Chemicals 2: Ethanol, Azides, Propylene Oxide and Agri-Terra	
Moderator: Mike McKenry	
10:30-10:50	McGawley, Edward, C. (73) Management of Nematode Parasites of Major Crops in Louisiana with Agri-Terra
10:50-11:10	Kobara, Yuso (74) Possibility of the New Soil Fumigation Technique with Ethanol Solution
11:10-11:30	Uematsu, Seiji (75) Ethyl Alcohol as a Promising Material of Reductive Soil Disinfestation for Controlling Root Knot Nematode and Soilborne Plant Diseases
11:30-11:50	Warren, Morris (76) Propylene Oxide: The most Complete MB Replacement
11:50-12:10	Mann, Ross (77) Iodomethane Offers Opportunities for Methyl Bromide Phase out and Soil Disinfestation in Australia
12:10-12:20	Discussion Session

The End – Hope to see you next year in Orlando, Florida!

POSTER PRESENTATIONS

Moderator: Larry Zettler

PREPLANT:

Arnold, Frank (104)	Detection Tubes for New Fumigants
Qin, Ruijun (105)	Plastic Films on Controlling Chloropicrin Emissions in a Strawberry Field Trial
Roskopf, Erin (106)	Reduced Rates and Alternatives to Methyl Bromide for Snapdragon Production in Florida
Roskopf, Erin (107)	Ethanedinitrile for Control of Weeds and Nematodes Important in Florida
Roskopf, Erin (108)	In Vitro Inhibition of Soilborne Fungi by “SPK”, a Novel Pesticide
Gilbert, Celeste (109)	Solarization and Steam Heat for Soil Disinfestation in Flower and Strawberry
Wells, Sheryl (110)	Leaching of Na and K Azide from Granules Applied to Established Turf
Lakshman, Dilip (111)	Biological Alternatives to Methyl Bromide in Plant Disease Control
Bausher, Michael (112)	Evaluation of Rootstocks for Management of <i>Meloidogyne incognita</i> on Grafted Bell Pepper
Becker, Ole (113)	Bioassay for Root-Knot Nematode-Inhibiting Activity in Soil
Kobara, Yuso (114)	Possibility of the New Soil Fumigation Technique with Ethanol Solution
Lee, Byung-Ho (115)	Efficacy of Ethanedinitrile to Control Root Knot Nematodes in Yellow Melon Cultivation
Lee, Byung-Ho (116)	Practical Application of Ethanedinitrile to Control Infested Pine Wilt Disease and Its Vector
Belcher, Jason (117)	Effect of Acrolein Concentration Applied Preplant on Tomato and Bell Pepper
Koralis-Burelle, Nancy (118)	Multiguard® : Effects on Nematode Populations and Galling on Tomato and Pepper
Gerik, James (119)	Application of Chemicals In-Season to Augment Preplant Fumigation
Warren, Morris (120)	Preplant Results to Date
Prabhakaran, Suresh (121)	XRM-3162: A New Preplant Soil Fumigant as an Alternative to Methyl Bromide
Mann, Ross (122)	Drip Fumigation of Iodomethane in the Australian Protected Horticulture Industry
Mann, Ross (123)	Bioprospecting for Endophytes with Mycofumigant Potential from Australian Native Flora
Mattner, Scott (124)	Isolation of Plant-Growth Promoting Bacteria from Fumigated Soils
Mattner, Scott (125)	Integrated Disinfestation of EPS-Trays Using Washing Practices and Solarization
Bogoescu, Marian (126)	Results of Methyl Bromide Alternatives on Tomatoes in Romania

POSTHARVEST:

Joyce, Peter (127)	Methyl Bromide Scrubber System for Large Quarantine & Pre-Shipment Applications
Liu, Yong-Biao (128)	Fumigation with Phosphine for Postharvest Insect Control on Lettuce and Broccoli
Park, Min-Goo (129)	The Efficacy of Ethanedinitrile to Control Wood Related Insect Pests
Sung, Bo-Kyung (130)	Efficacy of Ethyl Formate as a Quarantine Fumigant for the Control of Pests in Fruits
Tubajika, K. M. (131)	Methyl Iodide and Sulfuryl Fluoride as Quarantine Treatments for Solid Wood Packing Material
Muhareb, Jeannette (132)	Evaluation of Combining Sulfuryl Fluoride, Propylene Oxide & CO ₂ for Stored Product Insects
Maier, Dirk (133)	Simulating the Effect of Weather Conditions on Structural Fumigation
Maier, Dirk (134)	Investigation of Gas Distribution Due to Circulation Fans in Structural Fumigation
Maier, Dirk (135)	Heat Treatment of Empty Storage Bins for Control of Insects and Molds
Maier, Dirk (136)	Organic Stored Production Pest Treatment Using Nitrogen During Shipment

Maier, Dirk (137)	Determination of Ozone Half-Life within a Closed Cylinder
Emekci, Mevlut (138)	Laboratory Evaluation of the Effectiveness of Heat Treatment Against the Dried Fruit Beetle
Ferizli, Guray (139)	The Effectiveness of Spinosad Against Granary Weevil, <i>Sitophilus granarius</i> at Laboratory Conditions
Hou, Xingwei (140)	Optimizing and Gauging Heat Treatment Effectiveness in Food-Processing Facilities
Hou, Xingwei (141)	Pheromone Monitoring of Red Flour Beetle Populations in Mills to Evaluate Fumigation Effectiveness