

PROGRAM

Tuesday Evening, 5 November 2002

Registration: 5:00 pm to 7:00 pm
Set Up Poster: 1:00 pm to 5:00 pm

Location: Reg. Desk 3
Location: Signature 2

Wednesday Morning, 6 November 2002

6:30 am	Registration	Location: Reg. Desk 3
7:00 am	Set Up Poster Presentations	Location: Signature 2
7:00 am	Coffee	Location: Signature 2
8:00 am	PLENARY SESSION: Welcome	Location: Jr. Ballroom G
Moderator:	Reggie Brown	
8:00-8:10	Welcome Reggie Brown, MBAO, Chief Executive Officer	
8:10-8:15	Martha Roberts, Florida Department of Agriculture and Consumer Services	
8:15-10:00	PLENARY SESSION: Methyl Bromide CUE and Regulatory Impacts	Location: Jr. Ballroom G
8:15-8:35	Christine Augustyniak – Status of Methyl Bromide CUE Petition Reviews	
8:35-8:50	Jonathan Banks – MBTOC Review of CUEs	
8:50-9:05	Marcia Mulkey – Registration Status of Potential Alternatives to Methyl Bromide	
9:05-9:20	Paul Helliker – Regulatory Status of Methyl Bromide in California	
9:20-9:35	David McAllister – Impacts of Regulations on Methyl Bromide Availability	
9:35-10:00	Gary Obenauf - Housekeeping	
10:00 am – 10:30 am	Coffee Break: Metam Sodium Task Force	Location: Signature 2
Preplant Session: Submitted Papers	Loc: Jr. Ballroom G	Postharvest Session: Submitted Papers
Coordinated Research Programs		Chemical and Non-Chemical Control:
Moderator: James Gilreath		Moderator: Alan Dowdy
10:30-10:50 Noling, Joe (1)-Field Scale Demonstration/Validation Studies of Alternatives for Methyl Bromide in Plastic Mulch Culture in Florida		10:30-10:50 Phillips, Thomas (39)-Chemical and Non-Chemical Disinfestation of Apple Maggot Flies from Apples
10:50-11:10 Norton, Jack (2)-Review of Potential Methyl Bromide Alternatives (MBA)		10:50-11:10 Liu, Yong-Biao (40)- Effects of Vacuum and Controlled Atmospheres on Insects
11:10-11:30 McSorley, Robert (3)-Root-Knot Nematode Problems in Flower Crops		11:10-11:30 Brodie, Bill (41)- The Successful Use of a Methyl Bromide Alternative Treatment
11:30-11:50 Schneider, Sally (4)-Vineyard Replant Disorder – Results After 1, 2 and 4 Growing Seasons		11:30-11:50 Tateya, Akio (42)- Security Measures on Methyl Bromide for the Quarantine and Pre-shipment Treatment Exemption
11:50-12:00 Discussion of Problems with Implementation of the Alternatives		11:50-12:00 Discussion of Problems with Implementation of the Alternatives

12:00 until 1:00 pm		LUNCH BREAK	
Wednesday Afternoon, 6 November 2002, Concurrent Sessions			
Registration		Location: Reg. Desk 3	
Preplant Session: Submitted Papers Strawberry Moderator: Dan Botts 1:00-1:20 Fennimore, Steve (5)-Weed Control in Strawberry with Alternative Fumigants 1:20-1:40 Noling, Joe (6)-Weed and Nematode Management: Simultaneous Considerations 1:40-2:00 Motis, Tim (7)-Stimulation of Nutsedge Emergence with Chloropicrin 2:00-2:20 Benlioglu, Kemal (8)-Soil Solarization Options in Aydin Strawberry without Methyl Bromide 2:20-2:40 Sances, Frank (9)-Conventional and Organic Alternatives to Methyl Bromide on California Strawberries 2:50-3:00 Discussion of Problems with Implementation of the Alternatives		Loc: Jr. Ballroom G Postharvest Session: Submitted Papers Chemical Alternatives and Applications: Moderator: Jim Leesch 1:00-1:20 Schneider, Brian (43)-The Profume Fumiguide—A Precision Fumigation Tool 1:20-1:40 Voglewede, Chris (44)- ProFume Gas Fumigant...The Technical Foundation for Precision Fumigation 1:40-2:00 Shodrock, Damon (45)-Best Practices—Monitoring for Precision Fumigation 2:00-2:20 William, Robert (46)-Optimizing Fumigation Efficiency with ProFume Gas Fumigation 2:20-2:40 Drinkall, M. J. (47)-Development of ProFume (Sulfuryl Fluoride) for Use in Flour Mills in Europe 2:50-3:00 Discussion of Problems with Implementation of the Alternatives	
3:00 pm – 3:30 pm Coffee Break: Metam Sodium Task Force		Location: Signature 2	
Preplant Session: Submitted Papers International Research Programs Moderator: Nancy Kokalis-Burelle 3:30-3:50 Uludag, Ahmet (10)- The Second Year Results of Methyl Bromide Alternatives in the Eastern Mediterranean 3:50-4:10 Hafez, Saad (11)- Preliminary Report on the Methyl Bromide Complete Phaseout Investment Project in Lebanon 4:10-4:30 Minuto, Giovanni (12)- Soil Disinfestation in Italy: Status Two Years Before the Phase-out of Methyl Bromide 4:30-4:50 Lamberti, Franco (13)- Efficacy and Persistence of Some Nematicides Alternatives to Methyl Bromide 4:50-5:00 Discussion of Problems with Implementation of the Alternatives		Loc: Jr. Ballroom G Postharvest Session: Submitted Papers Alternatives for Durables and Emission Control: Moderator: Chris Bell 3:30-3:50 Wright, Jane (48)-Cyanogen: A New Fumigant with Potential for Timber 3:50-4:10 Dwinell, David (49)-Fumigating and Heat-Treating in Service Hardwood Pallets 4:10-4:30 van Graver, Jan (50)-Field Trial of Carbonyl Sulfide Fumigation of Hay in 40ft Shipping Containers 4:30-4:50 Miller, Laurence (51)- Use of Bioreactors to Remove Methyl Bromide Following Contained Fumigations 4:50-5:10 Finkelman, Simcha (100)-Quarantine Application of the New V-HF System to Control the Large Narcissus Fly 5:10-5:15 Discussion of Problems with Implementation of the Alternatives	
5:30 pm – 6:30 pm		POSTER SESSION	
6:30 pm – 8:00 pm		RECEPTION	
		Moderator: Bill Thomas	
		Location: Signature 2	
		Location: Signature 2	

Thursday Morning, 7 November 2002, Concurrent Sessions

7:00 am	Registration	Location: Reg. Desk 3				
7:00 am	Coffee Break	Location: Signature 2				
<table border="1"> <tr> <td> Preplant Session: Submitted Papers Strawberry/Tomato Moderator: Sally Schneider 8:00-8:20 Ajwa, Husein (14)-Strawberry Production with Alternative Fumigants Applied through Drip Irrigation Systems 8:20-8:40 Gilreath, James (15)-Nursery and Fruiting Field Fumigant Effect on Strawberry 8:40-9:00 Norton, Jack (16)-Results from the 2001-02 USDA IR-4 MBA Field Trials in California Strawberries 9:00-9:20 Lopez-Aranda, Jose (17)-Demonstration Stage on MB Alternatives for Strawberry Production in Huelva (Spain) 9:20-9:40 Chellemi, Dan (18)-Field Evaluation of Methyl Bromide Alternatives 9:40-10:00 Gilreath, James (19)-Efficacy of Broadcast Telone C-35 in Tomato 10:00-10:20 Duniway, John (20)-Some Chemical, Biological, and Cultural Alternatives to Methyl Bromide for Strawberry 10:20-10:30 Discussion of Problems with Implementation of the Alternatives </td> <td align="center"> Loc: Jr. Ballroom G </td> <td> Postharvest Session: Submitted Papers Chemical and Non-Chemical Control: Moderator: Jane Wright 8:00-8:20 Bell, C. H. (52)-Modified Atmospheres at Raised Temperature for Treatment of Durable Commodities 8:20-8:40 Johnson, Judy (53)-Response of Codling Moth and Navel Orangeworm Life Stages to Vacuum 8:40-9:00 Zettler, Larry (54)-Sorption and Insect Toxicity of Propylene Oxide in Dried Fruits and Nuts 9:00-9:20 Wright, Jane (55)-Field Trials on Ethyl Formate for On-Farm Storage Fumigation 9:20-9:40 Silhacek, Don (56)-Some Alternatives to Pesticides for Managing Moths that Infest Cereal Products 9:40-10:00 Isikber, Ali (97)-Propylene Oxide: A fumigant for Quarantine Purposes as a Potential Alternative to Methyl Bromide 10:00-10:20 Navarro, Shlomo (99)-Control of Mediterranean Fruit Fly Using Vacuum or CO₂ 10:20-10:30 Discussion of Problems with Implementation of the Alternatives </td> <td align="center"> Loc: Salon 9/10 </td> </tr> </table>			Preplant Session: Submitted Papers Strawberry/Tomato Moderator: Sally Schneider 8:00-8:20 Ajwa, Husein (14)-Strawberry Production with Alternative Fumigants Applied through Drip Irrigation Systems 8:20-8:40 Gilreath, James (15)-Nursery and Fruiting Field Fumigant Effect on Strawberry 8:40-9:00 Norton, Jack (16)-Results from the 2001-02 USDA IR-4 MBA Field Trials in California Strawberries 9:00-9:20 Lopez-Aranda, Jose (17)-Demonstration Stage on MB Alternatives for Strawberry Production in Huelva (Spain) 9:20-9:40 Chellemi, Dan (18)-Field Evaluation of Methyl Bromide Alternatives 9:40-10:00 Gilreath, James (19)-Efficacy of Broadcast Telone C-35 in Tomato 10:00-10:20 Duniway, John (20)-Some Chemical, Biological, and Cultural Alternatives to Methyl Bromide for Strawberry 10:20-10:30 Discussion of Problems with Implementation of the Alternatives	Loc: Jr. Ballroom G	Postharvest Session: Submitted Papers Chemical and Non-Chemical Control: Moderator: Jane Wright 8:00-8:20 Bell, C. H. (52)-Modified Atmospheres at Raised Temperature for Treatment of Durable Commodities 8:20-8:40 Johnson, Judy (53)-Response of Codling Moth and Navel Orangeworm Life Stages to Vacuum 8:40-9:00 Zettler, Larry (54)-Sorption and Insect Toxicity of Propylene Oxide in Dried Fruits and Nuts 9:00-9:20 Wright, Jane (55)-Field Trials on Ethyl Formate for On-Farm Storage Fumigation 9:20-9:40 Silhacek, Don (56)-Some Alternatives to Pesticides for Managing Moths that Infest Cereal Products 9:40-10:00 Isikber, Ali (97)-Propylene Oxide: A fumigant for Quarantine Purposes as a Potential Alternative to Methyl Bromide 10:00-10:20 Navarro, Shlomo (99)-Control of Mediterranean Fruit Fly Using Vacuum or CO ₂ 10:20-10:30 Discussion of Problems with Implementation of the Alternatives	Loc: Salon 9/10
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10:15 am – 10:45 am		Location: Signature 2				
Coffee Break: Metam Sodium Task Force						
11:00 am-7: 30 pm	Optional Field Tour of California Research Plots Sponsor: DowAgroSciences					
	<p align="center">The tour is free but you need to sign up early as there are a limited number seats on the buses! Lunch will be provided.</p>					

Friday Morning, 8 November 2002, Concurrent Sessions

7:00 am	Registration	Location: Reg. Desk 3
7:00 am	Coffee	Location: Signature 2
Preplant Session: Submitted Papers	Loc: Jr. Ballroom G	Preplant Session: Submitted Papers
Nursery, Ornamentals, Tree Crops		Loc: Salon 9/10
Moderator: Tom Trout		Moderator: Jan Sharp
8:00-8:20 Schneider, Sally (21)-Methyl Bromide Alternatives for Tree, Vine, and Rose Field Nurseries		8:00-8:20 Tuzun, Sadik (57)-Use of Plant Extract-Based Biopesticides as a Safe Alternative to MeBr
8:20-8:40 Westerdahl, Becky (22)-Tarped Metham Sodium for Nematode and Weed Control in Nurseries		8:20-8:40 Trout, Tom (58)-Fumigation and Fallowing Effects on Replant Problems in California Peach
8:40-9:00 Pinkerton, Jack (23)-Soil Solarization: A Component in Controlling Root Rot of Red Raspberry		8:40-9:00 Elmore, Clyde (59)-Preplant Pest Management in Ranunculus Production
9:00-9:20 Browne, Greg (24)-Management and Etiology of Replant Disorder on Almond and Peach		9:00-9:20
9:20-9:40 Louws, Frank (101)-Methyl Bromide Alternatives in Tomato Production Systems in North Carolina		9:20-10:00 Discussion of Problems with Implementation of the Alternatives
9:40-10:00 Discussion of Problems with Implementation of the Alternatives		
10:00 am – 10:30 am Coffee Break: Metam Sodium Task Force		Location: Signature 2
Preplant Session: Submitted Papers	Loc: Jr. Ballroom G	Preplant Session: Submitted Papers
MITC Generators		Loc: Salon 9/10
Moderator: Joe Noling		Moderator: Husein Ajwa
10:30-10:50 Duerksen, Chuck (26)-Vapam® and K-Pam™, Making the Difference with Precise Application		10:30-10:50 Rodriguez-Kabana, Rodrigo (60)-Nematotoxicity of Propylene Oxide and Allyl Isothiocyanate
10:50-11:10 Rabasse, Jean-Michel (27)-Metham Sodium on Strawberry: Example of Commercial Replacement of Methyl Bromide in Spain and France		10:50-11:10 Griffith, Tom (61)-Propozone™ The Ideal MB Replacement
11:10-11:30 Radewald, John (28)-Soil Depth and Spectrum of Biological Activity from Tarped Surface Sprays of Metham Sodium		11:10-11:30 Keren-zur, Mordechai (62)-Bionem-An Effective Biological Pesticide for the Control of Root Knot Nematodes
11:30-11:50 Sullivan, David (29)-Update: Research of the Metham-Sodium Task Force on Efficacy and Odor Management		11:30-11:50 Ren, Yong (63)-Development of Cyanogen for Soil Fumigation
11:50-12:00 Discussion of Problems with Implementation of the Alternatives		11:50-12:00 Discussion of Problems with Implementation of the Alternatives
12:00 noon – 1:00 pm	Lunch	

Friday Afternoon, 8 November 2002, Concurrent Sessions

Registration		Location: Reg. Desk 3	
Preplant Session: Submitted Papers Non-Chemical Alternatives Moderator: Dan Chellemi 1:00-1:20 Wang, Qingren (30)-Cover Crops & Compost-Alternatives to Methyl Bromide for Vegetable Production 1:20-1:40 Wang, Koon-Hui (31)-Solarization and Cover Crops as Alternatives to Methyl Bromide 1:40-2:00 Zidack, Nina (32)-Progress in the Development of Mycofumigation for Control of Soil-Borne Plant Diseases 2:00-2:20 Hewlett, Tom (33)-Control of Root-Knot Nematodes at the Epcot Center Using <i>In Vivo</i> Produced <i>Pasteuri Penetrans</i> 2:20-2:40 Smith, Kelly (34)- <i>Pasteuria</i> Species for Nematode Control: Current Developments and Future Prospects 2:40-3:00 Discussion of Problems with Implementation of the Alternatives		Loc: Jr. Ballroom G	
Preplant Session: Submitted Papers Chemical Alternatives II Moderator: John Duniway 1:00-1:20 Rodriguez-Kabana, Rodrigo (64)-SEP-100® a New Formulation of NaN ₃ for Control of Nutsedges and other Weeds 1:20-1:40 Eger, Joe (65)-Movement of Drip-Applied 1,3-Dichloropropene Beyond the Waterfront 1:40-2:00 Eger, Joe (66)-Evaluating Movement of 1,3-Dichloropropene Through Plastic Films 2:00-2:20 Csinos, A. S. (67)-Dye to Predict Pesticide Movement in Soil Beds 2:20-2:40 2:20-3:00 Discussion of Problems with Implementation of the Alternatives		Loc: Salon 9/10	
3:00 pm – 3:30 pm Coffee Break: Metam Sodium Task Force Remove Posters at end of Break		Location: Signature 2	
Preplant Session: Submitted Papers Chemical Alternatives III Moderator: Carolee Bull 3:30-3:50 Cebolla, Vicent (35)-Improving Dichloropropene and Chloropicrin Mixtures by Increasing Chloropicrin Rate 3:50-4:10 Rodriguez-Kabana, Rodrigo (36)-A Preliminary Study on the Relationship Between Soil pH and Herbicidal Activity of Sodium Azide 4:10-4:30 Martin, Frank (37)-Monitoring Fumigation Efficacy in Strawberry Production Using Remote Sensing 4:30-4:50 4:50-5:00 Discussion of Problems with Implementation of the Alternatives		Loc: Jr. Ballroom G	
Session: Submitted Papers Moderator: 3:30-3:50 3:50-4:10 4:10-4:30 4:30-4:50 4:50-5:00 Discussion of Problems with Implementation of the Alternatives		Loc: Salon 9/10	

POSTER PRESENTATIONS

Location: Signature 2

Structural:

Arthur, Frank (68)- Impact of Physical and Biological Factors on Efficacy of Hydroprene

Postharvest:

Ren, Yong (69)- Sorption of Carbonyl Sulfide by Stored Products
Ren, Young (70)- The Need to Use Purified Carbonyl Sulfide (COS) to Prevent Corrosion of Copper
Leesch, James (71)- The Mortality of Indianmeal Moth and Confused Flour Beetle After Exposure to Ozone
Obenland, David (72)- High Temperature Forced Air/Controlled Atmosphere Treatment for Stone Fruit
Aung, Louis (73)- Development of MB Alternative Technologies for Postharvest Fresh Commodities
Barak, Alan (74)- Fumigation of SWPM as a Quarantine Treatment for *Anoplophora glabripennis*
Vroom, Nico (75)- Ecogen Technique, Used for the Extermination of Insects in Food Supplies and Ships
Brash, Ken (96)- Nordiko Establishing Worlds Best Practice in Fumigation
Rindner, Miriam (98)- Comparative Quarantine Treatment of Narcissus Flies Using Vacuum, Hermetic or CO₂

Preplant:

Allan, Michael (76)- MIDAS™ (TM-425), 2002 Development and Regulatory Update
Warren, Morris (77)- Propylene Oxide, the Ideal MB Replacement
Gomez, Luis (78)- InLine® for Soil Pest Control in Central America and Mexico Melon Fields
Rimini, Riccardo (79)- Description of Bromostop® Virtually Impermeable Film
Vaculin, Paul (80)- Target Applications of Vapam®/K-Pam® to Key Pest for Best Results
Tsakonas, Paris (81)- Impact of Soil and Sealing Variables on the Soil Distribution Profile of Telone EC
Kobara, Yuso (82)- Emission Losses of Chloropicrin and 1,3-Dichloropropene from Soil Fumigation
Desaeger, Johan (83)- Phytotoxicity of Drip-Applied 1,3-Dichloropropene on Vegetables
Seebold, Kenneth (84)- Effect of Application Timing on the Efficacy of Drip-Applied Soil Fumigants
Roskopf, Erin (85)- Evaluation of PCC1210 for Control of *Phytophthora capsici* on Pepper
Kokalis-Burelle, Nancy (86)- Effects of Transplant Type and Soil Treatment on Strawberry Rhizosphere Fungi
Fennimore, Steven (87)- Alternative Fumigants for Control of Soil Pests: Strawberry as a Model System
Fravel, Deborah (88)- Differences in Gene Expression between Pathogenic and Biocontrol
Nyczepir, Andrew (89)- Biofumigation and Management of Ring Nematode on Peach
Mazzola, Mark (90)- Field Evaluation of Non-Fumigant Measures for the Control of Apple Replant Disease
Schreiner, Paul (91)- Effects of Soil Solarization and Fumigation on Indigenous Arbuscular Mycorrhizal Fungi

Roncoroni, John (92)-	Alternatives to Methyl Bromide in Cut Flower Production in California
Gerik, J. S. (93)-	Alternative Soil Treatment for Field Grown Ornamentals
Trout, Tom (94)-	Fumigant Use in California
Bryan, Herbert (95)-	Efficacy of Vapam and Kpam Fumigation for Florida Tomatoes
Martin, Frank (37)-	Monitoring Fumigation Efficacy in Strawberry Production Using Remote Sensing
Driver, Jim (102)-	Fumigants and Varieties to Manage Southern Bacterial Wilt of Tomato
Louws, Frank (103)-	Chemical and Biological Alternatives to Methyl Bromide for Strawberry in the Southeastern US