

**PROGRAM**

**Sunday Evening, 5 November 2000**

<b>Registration:</b>	<b>5:00 pm to 7:00 pm</b>	<b>Location: Ballroom Foyer Registration Desk A/B</b>
<b>Set Up Poster:</b>	<b>1:00 pm to 5:00 pm</b>	<b>Location: Mezzanine - Salon 5 &amp; 6</b>

**Monday Morning, 6 November 2000**

<b>6:30 am</b>	<b>Registration:</b>	<b>Location: Ballroom Foyer Registration Desk A/B</b>
<b>7:00 am</b>	<b>Set Up Poster Presentations:</b>	<b>Location: Mezzanine - Salon 5 &amp; 6</b>

<b>8:00 am</b>	<b>PLENARY SESSION: Welcome</b>	<b>Location: Ballroom B</b>
<b>Moderator:</b>	<b>David Riggs</b>	
<b>8:00-8:10</b>	<b>Welcome David Riggs, MBAO, Chief Executive Officer</b>	
<b>8:10-8:20</b>	<b>Welcome Steven Rutz, Director, Florida Department of Agriculture and Consumer Services</b>	

<b>8:20-12:30</b>	<b>PLENARY SESSION: Methyl Bromide OPD Symposium</b>
<b>Moderator:</b>	<b>Tom Duafala</b>
<b>8:20-8:30</b>	<b>Tom Duafala-Introduction to ODP Symposium</b>
<b>8:30-8:50</b>	<b>Jim Butler-Methyl Bromide Sources and Sinks; Agricultural Contributions</b>
<b>8:50-9:10</b>	<b>Jose Rodriguez ODP of Methyl Bromide</b>
<b>9:10-9:30</b>	<b>Ed Ruckert-Control of Methyl Bromide Under Montreal Protocol, Clean Air Act and Ramifications</b>
<b>9:30-9:50</b>	<b>Discussion</b>
<b>9:50-10:00</b>	<b>Gary Obenauf-Housekeeping</b>

<b>10:00 am – 10:30 am</b>	<b>Break</b>	<b>Location: Ballroom Foyer</b>
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<b>10:30 am – 12:30 noon</b>	<b>Location: Ballroom B</b>
<b>PLENARY SESSION – Constraints to Alternatives</b>	
<b>Moderator:</b>	<b>Dan Botts</b>
<b>10:30-10:50</b>	<b>Peter Caulkins-EPA/OPP-Data and Review Requirements for Alternatives</b>
<b>10:50-11:10</b>	<b>Paul Helliker-CalEPA/DPR-California Regulatory Requirements for Alternatives and Methyl Bromide Regulations</b>
<b>11:10-11:30</b>	<b>Bruce Houtman-Dow AgroSciences-Marketplace and Business Constraints in Developing Alternatives</b>
<b>11:30-11:50</b>	<b>Wesley Roan-6-L's Tomato, Inc.-Constraints to Adoption of Alternatives at the Grower Level</b>
<b>11:50-12:10</b>	<b>Jim Bair-North American Millers Association-Issues for Alternatives in Commodity and Structural Uses</b>
<b>12:10-12:30</b>	<b>Discussion</b>

<b>12:30 until 1:30 pm</b>	<b>LUNCH BREAK</b>
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**Monday Afternoon, 6 November 2000, Concurrent Sessions**

**Registration:**

**Location: Mezzanine Foyer**

<p><b>Preplant Session: Submitted Papers</b>  <b>Government Sponsored Alternatives Research</b>  <b>Moderator: Roy Gingery</b>                  1:30-1:50 <b>Huettel, Robin</b> (1)-Methyl Bromide Transition Program                  Competitive Grant                  1:50-2:10 <b>Norton, Jack</b> (2)- Review of IR-4 Methyl Bromide                  Alternative Programs for Minor Crops                  2:10-2:30 <b>Nelson, Mike</b> (3)-Results from 1999-2000 USDA IR-4                  MBA Field Trials in CA and FL Strawberries                  2:30-2:50 <b>Olsen, Bernard</b> (4)-Results from 1999-2000 USDA IR-4                  MBA Field Trials in CA and FL Tomatoes  <b>2:50-3:00 Discussion of Problems with Implementation</b>  <b>of the Alternatives</b></p>	<p><b>Postharvest Session: Submitted Papers</b>  <b>Fumigants and Phytotoxicity</b>  <b>Moderator: Tom Phillips</b>                  1:30-1:50 <b>Annis, Peter</b> (70)-Ethyl Formate: A Fumigant with                  Potential for Rapid Action                  1:50-1:10 <b>Dwinell, David</b> (71)-Effect of Methyl Bromide on  <i>Bursaphelenchus xylophilus</i> in Pine Wood                  2:10-2:30 <b>Griffith, Tom</b> (72)-Propylene Oxide, A Registered                  Fumigant, A Proven Insecticide                  2:30-2:50 <b>Taylor, Robert</b> (6)-Demonstration Projects in Southeast                  Asia  <b>2:50-3:00 Discussion of Problems with Implementation of the</b>  <b>Alternatives</b></p>
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<p><b>3:00 pm – 3:30 pm</b></p>	<p align="center"><b>Break</b></p>	<p align="right"><b>Location: Salon 5 &amp; 6</b></p>
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<p><b>Preplant Session: Submitted Papers</b>  <b>Integrated Crop Production/Alternative-New Products</b>  <b>Moderator: Ian Porter</b>                  3:30-3:50 <b>Chaverri, Fabio</b> (5)-Methyl Bromide Alternatives in                  Costa Rica: Demonstration Projects on Melon and Cut                  Flowers                  3:50-4:10 <b>Fravel, Deborah</b> (7)-Population Structure of <i>Fusarium</i>  <i>Oxysporum</i> in Conventional and Organic Tomato                  Production in Florida                  4:10-4:30 <b>Rodriguez-Kabana, Rodrigo</b> (8)-Nematicidal and                  Herbicidal Properties of Liquid Formulation of Potassium                  Azide                  4:30-4:50 <b>Ndalut, Paul</b> (69)-Evaluation of Natural Products as                  Possible Alternatives to Methyl Bromide in Soil                  Fumigation  <b>4:50-5:00 Discussion of Problems with Implementation</b>  <b>of the Alternatives</b></p>	<p><b>Preplant Session: Submitted Papers</b>  <b>Strawberry-Alternatives</b>  <b>Moderator: Christopher Winterbottom</b>                  3:30-3:50 <b>Duniway, John</b> (9)-Some Chemical, Cultural, and                  Biological Alternatives to Methyl Bromide Fumigation                  of Soil for Strawberry                  3:50-4:10 <b>Lopez-Aranda, Jose</b> (10)-Three Years of Short-Term                  Alternatives to MB on Huelva Strawberry                  4:10-4:30 <b>Martinez, Cecil</b> (11)-Strawberry Production with                  Methyl Bromide Alternatives: A Farmer's Perspective                  4:30-4:50 <b>Eayre, Cynthia</b> (12)-Alternatives to Methyl Bromide                  in Strawberries and Peaches  <b>4:50-5:00 Discussion of Problems with Implementation</b>  <b>of the Alternatives</b></p>
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<p><b>5:30 pm – 6:30 pm</b></p>	<p align="center"><b>POSTER SESSION</b></p>	<p align="right"><b>Moderator: William Thomas</b></p>
<p><b>6:30 pm – 8:00 pm</b></p>	<p align="center"><b>RECEPTION</b></p>	<p align="right"><b>Location: Salon 5 &amp; 6</b>  <b>Location: Mezzanine Foyer</b>  <b>&amp; Salon 5 &amp; 6</b></p>



**Tuesday Afternoon, 7 November 2000, Concurrent Sessions**

**Registration:**

**Location: Mezzanine Foyer**

<p><b>Preplant Session: Submitted Papers</b> <span style="float:right"><b>Loc: Salon 3 &amp; 4</b></span>  <b>Alternative Fumigants-New Products (Propargyl Bromide)</b>  <b>Moderator: Tom Trout</b>  1:00-1:20 <b>Rodriguez-Kabana, Rodrigo</b> (28)-Evaluation of the Herbicidal and Nematicidal Properties of Propargyl Bromide  1:20-1:40 <b>Dungan, Robert</b> (29)-Propargyl Bromide: Preliminary Efficacy and Environmental Results  1:40-2:00 <b>Noling, Joe</b> (30)-Impacts of Alternative Fumigants on Soil Pest Control and Tomato Yield  2:00-2:20 <b>Dungan, Robert</b>  <b>2:20-3:00 Discussion of Problems with Implementation of the Alternatives</b></p>	<p><b>Preplant Session: Submitted Papers</b> <span style="float:right"><b>Loc: Salon 7 &amp; 8</b></span>  <b>Cultural Alternatives</b>  <b>Moderator: Erin Rosskopf</b>  1:00-1:20 <b>De Santis, Massimiliano</b> (116)-Economic Impacts of the Methyl Bromide Ban on the California Strawberry Industry: A Market Level Analysis  1:20-1:40 <b>Martin, Frank</b> (32)-Management of Root Diseases of Strawberry  1:40-2:00 <b>Louws, Frank</b> (33)-Compost as an Alternative to Methyl Bromide in Plasticulture Strawberry Production  2:00-2:20 <b>McSorley, Robert</b> (34)-Cover Crops for Management of Root-Knot Nematodes  2:20-2:40 <b>Louws, Frank</b> (35)-Chemical Alternatives to Methyl Bromide for Strawberry Production in North Carolina  <b>2:40-3:00 Discussion of Problems with Implementation of the Alternatives</b></p>
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**3:00 pm – 3:30 pm**

**Break**

**Location: Salon 5 & 6**

<p><b>Preplant Session: Submitted Papers</b> <span style="float:right"><b>Loc: Salon 3 &amp; 4</b></span>  <b>Alternative Fumigants-New Products (Iodomethane)</b>  <b>Moderator: Jim Gilreath</b>  3:30-3:50 <b>Allan, Michael</b> (36)-TM-425 (Iodomethane), Development and Regulatory Update  3:50-4:10 <b>Rodriguez-Kabana, Rodrigo</b> (37)-Pesticidal Properties of Volatile, Low Molecular Weight, Iodinate Hydrocarbons  4:10-4:30 <b>Sims, James</b> (38)-Methyl Iodide Field Application via Drip Irrigation  4:30-4:50 <b>Gilreath, Jim</b> (39)-Nutsedge Control with Reduced Rates of Methyl Bromide and Virtually Impermeable Film Mulch  <b>4:50-5:00 Discussion of Problems with Implementation of the Alternatives</b></p>	<p><b>Postharvest Session: Submitted Papers</b> <span style="float:right"><b>Loc: Salon 7 &amp; 8</b></span>  <b>Fumigants, Residues and Non-Chemical Alternatives</b>  <b>Moderator: Shlomo Navarro</b>  3:30-3:50 <b>Sabio, Glory</b> (77)-Control of Storage Pests in the Tropics Using Sealed Storage  3:50-4:10 <b>Ross, Ralph</b> (78)-Status of the Current Food Irradiation Expansion Program in Brazil  4:10-4:30 <b>Prabhakaran, Suresh</b> (79)-A model Simulating Stored Product Insect Pest Population Dynamics and Insecticide Resistance Potential in Food Processing Plants  4:30-4:50 <b>Schneider, Brian</b> (80)-Vikane Gas Fumigant Quarantine Treatments Present Status &amp; Future Potential  <b>4:50- 5:00 Discussion of Problems with Implementation of the Alternatives</b></p>
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**Wednesday Morning, 8 November 2000, Concurrent Sessions**

<b>7:00 am</b>	<b>Registration:</b>	<b>Location: Mezzanine Foyer</b>				
<table border="1"> <tr> <td> <p><b>Preplant Session: Submitted Papers</b>  <b>Alternative Fumigants (1,3-D)</b>  <b>Moderator: Husein Ajwa</b>  8:00-8:20 <b>Eger, Joe</b> (40)-Efficacy of Telone Products in Florida  Crops: A Seven Year Summary  8:20-8:40 <b>Gilreath, James</b> (41)-Soilborne Pest Control in Tomato  Followed by Cucumber with 1,3-D + Chloropicrin and  Solarization  8:40-9:00 <b>Locascio, Salvatore</b> (42)-Broadcast vs In-Row  Application of 1,3-D Plus Chloropicrin as an Alternative  for Tomato Fumigants  9:00-9:20 <b>Minuto, Andre</b> (43)-Application of Chloropicrin + 1,3-  Dichloropropene Through Soil Injection in Northern  Italy  9:20-9:40 <b>Houtman, Bruce</b> (44)-Telone® Soil Fumigants:  Regulatory Status, Strategy and Future  <b>9:40-10:00 Discussion of Problems with Implementation</b>  <b>of the Alternatives</b></p> </td> <td align="center"> <p><b>Loc: Salon 3 &amp; 4</b></p> </td> <td> <p><b>Preplant Session: Submitted Papers</b>  <b>To be Used as Needed (will be announced at conference)</b>  <b>Moderator: Mike Aerts</b>  8:00-8:20  8:20-8:40  8:40-9:00  9:00-9:20</p> </td> <td align="center"> <p><b>Loc: Salon 7 &amp; 8</b></p> </td> </tr> </table>			<p><b>Preplant Session: Submitted Papers</b>  <b>Alternative Fumigants (1,3-D)</b>  <b>Moderator: Husein Ajwa</b>  8:00-8:20 <b>Eger, Joe</b> (40)-Efficacy of Telone Products in Florida  Crops: A Seven Year Summary  8:20-8:40 <b>Gilreath, James</b> (41)-Soilborne Pest Control in Tomato  Followed by Cucumber with 1,3-D + Chloropicrin and  Solarization  8:40-9:00 <b>Locascio, Salvatore</b> (42)-Broadcast vs In-Row  Application of 1,3-D Plus Chloropicrin as an Alternative  for Tomato Fumigants  9:00-9:20 <b>Minuto, Andre</b> (43)-Application of Chloropicrin + 1,3-  Dichloropropene Through Soil Injection in Northern  Italy  9:20-9:40 <b>Houtman, Bruce</b> (44)-Telone® Soil Fumigants:  Regulatory Status, Strategy and Future  <b>9:40-10:00 Discussion of Problems with Implementation</b>  <b>of the Alternatives</b></p>	<p><b>Loc: Salon 3 &amp; 4</b></p>	<p><b>Preplant Session: Submitted Papers</b>  <b>To be Used as Needed (will be announced at conference)</b>  <b>Moderator: Mike Aerts</b>  8:00-8:20  8:20-8:40  8:40-9:00  9:00-9:20</p>	<p><b>Loc: Salon 7 &amp; 8</b></p>
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<b>Break</b>						
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<b>12:00 noon – 1:00 pm</b>						
<b>Lunch</b>						

**Wednesday Afternoon, 8 November 2000, Concurrent Sessions**

<b>Registration:</b>		<b>Location: Mezzanine Foyer</b>	
<b>Preplant Session: Submitted Papers</b> <b>Alternative Fumigants (Metam Sodium)</b> <b>Moderator: Michael McKenry</b> 1:00-1:20 <b>Haglund, William</b> (49)-Metam Sodium and Metam Combinations A Viable Replacement for Methyl Bromide 1:20-1:40 <b>McMillan, Robert</b> (50)-Effect of Metam Sodium and Methyl Bromide on Root-Knot, Nutsedge and Dampoff on Cucumber cv. Dasher II 1:40-2:00 <b>Carey, Bill</b> (51)-Producing Southern Pine Seedlings with Methyl Bromide Alternatives 2:00-2:20 <b>Sullivan, David</b> (53)-Metam Sodium Sealing Methods to Increase Dose of Biocide and Improve Efficacy <b>2:20-3:00 Discussion of Problems with Implementation of the Alternatives</b>		<b>Loc: Salon 3 &amp; 4</b>	
<b>Preplant Session: Submitted Papers</b> <b>Soil Amendments and Physical Treatments</b> <b>Moderator: Dan Chellemi</b> 1:00-1:20 <b>Brodie, Bill</b> (54)-Replacing Methyl Bromide with a Steam Treatment in the Golden Nematode Control Program 1:20-1:40 <b>D'Addabbo, Trifone</b> (55)-Effect of Olive and Grape Pomace in the Control of Root-Knot Nematodes 1:40-2:00 <b>Martin, Christian</b> (56)-Biodisinfestation and Solarization for Vegetables in South Roussillon 2:00-2:20 <b>Sato, Dwight</b> (57)-Sunn Hemp "Tropic Sun" as a Cover Crop in Edible Ginger Production 2:20-2:40 <b>Amadioha, A.C.</b> (58)-Control of Fusarium Wilt of Tomato by Combination of Solarization, Methyl Bromide <b>2:40-3:00 Discussion of Problems with Implementation of the Alternatives</b>		<b>Loc: Salon 7 &amp; 8</b>	
<b>3:00 pm – 3:30 pm</b>		<b>Break</b>	
<b>Location: Salon 5 &amp; 6</b>			
<b>Preplant Session: Submitted Papers</b> <b>Alternatives-New Products (PlantPro45, Harpin Protein)</b> <b>Moderator: Clyde Elmore</b> 3:30-3:50 <b>Ajwa, Husein</b> (59)-Distribution of Drip Applied Fumigants Under Various Conditions 3:50-4:10 <b>Adams, Pam</b> (60)-Plantpro45™: A Potential Low Risk Alternative for Control of Soil-Borne Plant Pathogens 4:10-4:30 <b>Kokalis-Burelle, Nancy</b> (61)-Effects of Reduced Risk Alternatives on Nematode Populations and Crop Yield 4:30-4:50 <b>Wei, Zhangman</b> (62)-Messenger: A New Tool for Pest Management <b>4:50-5:00 Discussion of Problems with Implementation of the Alternatives</b>		<b>Loc: Salon 3 &amp; 4</b>	
<b>Postharvest Session: Submitted Papers</b> <b>Biology, Chemical and Heat Treatments</b> <b>Moderator: Judy Johnson</b> 3:30-3:50 <b>Welker, Jeff</b> (85)-Update on the Development of Sulfuryl Fluoride as an Alternative to Methyl Bromide 3:50-4:10 <b>Wright, Jane</b> (86)-Carbonyl Sulfide: Progress in Research and Commercialization of a New Commodity Fumigant 4:10-4:30 <b>Wright, Jane</b> (87)-Increasing Heating Rate and Decreasing Disinfestation Temperature for More Affordable Heat Disinfestation of Grain 4:30-4:50 <b>Silhacek, Don</b> (88)-Management of Moth Pests Infesting Processed Cereals: Biological Considerations <b>4:50-5:00 Discussion of Problems with Implementation of the Alternatives</b>		<b>Loc: Salon 7 &amp; 8</b>	

**Thursday Morning, 9 November 2000, Concurrent Sessions**

<b>7:00 am</b>	<b>Registration:</b>	<b>Location: Mezzanine Foyer</b>
<b>Preplant Session: Submitted Papers Herbicides and Other Alternatives</b>	<b>Loc: Salon 3 &amp; 4</b>	<b>Postharvest Session: Submitted Papers Microwave, Freezing and Radiation</b>
<b>Moderator: Sal Locascio</b>		<b>Moderators: Lisa Neven</b>
8:00-8:20 <b>Elmore, Clyde L.</b> (63)-Weed, Soil Pathogen and Nematode Control in Microplots		8:00-8:20 <b>Halverson, William</b> (89)-Design of a High Power Microwave Applicator for the Control on Insects in Stored Product
8:20-8:40 <b>Webster, Ted</b> (64)-Nutsedge ( <i>Cyperus</i> spp.) Management in Cucurbits		8:20-8:40 <b>Johnson, Judy</b> (90)-Control of Cowpea Weevil, <i>Callosobruchus maculatus</i> , Using Freezing Temperatures
8:40-9:00 <b>Fennimore, Steven</b> (65)-Weed Control Options in California Strawberry without Methyl Bromide		8:40-9:00 <b>Menon, Anil</b> (91)-Heat Sterilization – Can it Effectively Control Insects?
9:00-9:20 <b>Miller, Melanie</b> (67)-Alternatives for Soil Treatments in Developing Countries: GTZ Project Results		9:00-9:20 <b>Neven, Lisa</b> (93)-Trials and Tribulations in the Development of Organic Quarantine Treatments
9:20-9:40 <b>Champon, Louis</b> (68)-Dazitol The Replacement for Methyl Bromide Pre-Plant Usage		<b>9:20-11:00 Discussion of Problems with Implementation of the Alternatives</b>
<b>9:40-11:00 Discussion of Problems with Implementation of the Alternatives</b>		

**10:00 am – 10:30 am** **Break** **Location: Salon 5 & 6**

**11:30 am-7:30 pm** **Optional Field Tour of Florida Research Plots**  
**Sponsored by Florida Methyl Bromide Alternatives Research Taskforce**

**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.**

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

## POSTER PRESENTATIONS

### Titles

#### PREPLANT:

<b>Bull, Carolee</b> (94)-	Interaction Between Myxobacteria, Plant Pathogenic Fungi and Biocontrol Agents
<b>Champon, Louis</b> (117)	Developments in the Use of Virtually Impermeable Film for Mulch in Europe
<b>Dungan, Robert</b> (27)-	Products of Propargyl Bromide Degradation in Soil
<b>Eayre, Cynthia</b> (95)-	Control of Peach Replant Disorder
<b>Elmore, Clyde</b> (96)-	Solarization and Biofumigation for Field-Grown Flowers
<b>Kobara, Yuso</b> (97)-	Monitoring of Methyl Bromide Alternative Compounds in the Atmosphere
<b>Lopez-Aranda, Jose</b> (98)-	Three Years of Short-Term Alternatives to MB on Huelva Strawberries
<b>Ma, Qingli</b> (99)-	Temperature-Enhanced Efficacy of Methyl Isothiocyanate for Soilborne Pests Control
<b>Marcotte, Michelle</b> (100)-	Survey of Canadian Methyl Bromide Users
<b>Miller, Melanie</b> (101)-	Methyl Bromide Alternatives in Developing Countries: GTZ Experiences
<b>Roozen, John</b> (102)-	Application of Metam Sodium is the Key to Effective Pest Control
<b>Roskopf, Erin</b> (103)-	Biological Control Agents Under Development for Weed Management in Florida Vegetables
<b>Sams, Carl</b> (21)-	Allyl Isothiocyanate Released from <i>Brassica Juncea</i> Suppresses Mycelial Growth of <i>Sclerotium Rolfsii</i>
<b>Thomas, Bill</b> (104)-	2000 Update on Methyl Bromide Phase Out
<b>Trout, Tom</b> (105)-	Fumigant Use Trends in California
<b>Zinati, Gladis</b> (106)-	Solarization of Recycled Potting Media for Ornamental Production
<b>Tyson, Shaine</b> (107)-	Urban Biodiesel Production

#### POSTHARVEST:

<b>Arthur, Frank</b> (92)-	Effect of Heat Treatments on Efficacy of Residual Insecticides
<b>Jenner, Joel</b> (108)-	Effects of Fumigants and Aeration on Lemon and Nectarine Quality/Phytotoxicity
<b>Burks, Charles</b> (109)-	Seasonal Abundance of Insect Pests of Figs ( <i>Ficus carica</i> ) in California
<b>Epsky, Nancy</b> (110)-	Commercial EGPIC Insect Monitoring System for Management of Bulk Stored Grain
<b>Graver, Jan</b> (111)-	In-Transit Disinfestation in Freight Containers Using Carbon Dioxide: An Operations Manual
<b>Griffith, Tom</b> (112)-	Propylene Oxide, A Registered Fumigant, A Proven Insecticide
<b>Zettler, Larry</b> (113)-	Effect of Modified Atmosphere on Microflora and Respiration of California Prunes