

PROGRAM

Sunday Evening, 5 November 2006

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

Monday Morning, 6 November 2006

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	
8:15-8:35	<u>Jim Butler (1)-Methyl Bromide in the Atmosphere: A Scientific Overview and Update.</u>	
8:35-8:55	<u>Marta Montoro (2)- CUE Update.</u>	
8:55-9:15	<u>Debbie Edwards (3)- Cluster Fumigation Review.</u>	
9:15-9:35	<u>Paul Gosselin (4)- DPR Updates.</u>	
9:35-9:40	Gary Obenauf-Housekeeping	

9:40 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	
10:30-10:50	<u>James Green (5)- USDA CSREES Methyl Bromide Transition Grant Program, 2000-2007.</u>	
10:50-11:40	<u>Ken Vick (6)- 308 Review Update.</u>	
11:40-12:00	<u>Dan Botts (7)- Montreal Protocol Meeting New Delhi Summary.</u>	

12:00 until 1:00 pm	LUNCH BREAK
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Monday Afternoon, 6 November 2006

Registration:

Location: Convention Registration Desk

<p>Preplant Session 1: Submitted Papers Mulch Film & Emission Reduction Moderator: Scott Yates 1:00-1:20 Grey, Timothy L. (8)- Herbicide Dissipation From Low Density Polyethylene Mulch Utilizing Analytical Techniques. 1:20-1:40 Gao, Suduan (9)- Evaluation of Water Seals on Emission Reduction of 1,3-Dichloropropene and Chloropicrin. 1:40-2:00 Shem-Tov, Shachar (10)- Strawberry Yield and Weed Control a with Alternative Fumigants Applied in Combination with Metam Under Various Tarps. 2:00-2:20 Vaculin, Paul (11)- Effect of Mulch Type on Metam Potassium Efficacy, Alone and in Combinations. 2:20-2:40 Fennimore, Steven A. (12)- Retention of Broadcast-Applied Fumigants with Impermeable Fumigant Film In Strawberry. 2:40-3:00 Discussion Session</p>	<p>Loc: Orange</p>	<p>Postharvest Session I: Submitted Papers IPM/Systems Approach as Alternatives to Methyl Bromide Moderator: Shlomo Navarro 1:00-1:20 Johnson, Judy (72)-Development of a Systems Approach for U.S. Cherries Exported to Japan. 1:20-1:40 Siegel, Joel P. (73)-Post Harvest Use of Biological and Chemical Agents to Control Navel Orangeworm. 1:40-2:00 Subramanyan, Bhadriraju (74)-Methods for Optimizing Structural Heat Treatments: A Case Study. 2:00-2:20 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 Fumigant Modeling/Analysis Moderator: Joe Noling 3:30-3:50 Arnold, Frank (13)- Measuring New Fumigants with Draeger-Tubes®. 3:50-4:10 Yates, Scott R. (14)- Developing a Simple, Low-Cost Approach for Evaluating Emission Reduction Methods. 4:10-4:30 Hyatt, Charles (15)- SOILFUME: A Graphical User Interface for Determining Fumigant Best Management Practices. 4:30-4:50 Wang, Dong (16)- DRIPFUME: A Visual Program for Simulating Fumigant Emission and Movement in Soils. 4:50-5:10 Sullivan, David A. (17)- Updates in FEMS Model to More Accurately Represent Exposures From Fumigants. 5:10-5:30 Trout, Tom (18)- Fumigant Use in California – Response to the Phase-Out. 5:30-5:50 Discussion Session</p>	<p>Loc: Orange</p>	<p>Postharvest Session II: Submitted Papers Non-Chemical Alternatives Moderator: Judy Johnson 3:30-3:50 Navarro, Shlomo (75)- Novel Non-Chemical MB Alternatives for Postharvest Treatments. 3:50-4:10 Ferizli, Ahmet G. (76)- Mortality of All Life Stages of saw/toothed Grain Beetle Held Under Vacuum. 4:10-4:30 Marcotte, Michelle (77)- Ghana – Irradiation as a Quarantine Method for Export Development. 4:30-4:50 Mitcham, Elizabeth (78)- Insect Control and Walnut Quality Following Large-Scale Industrial Radio Frequency Treatments. 4:50-5:10 Discussion Session</p>	<p>Loc: Osceola</p>
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5:30 pm – 6:30 pm

POSTER SESSION

Moderator: Colwell Cook

6:30 pm – 8:00 pm

RECEPTION

Location: Lake

Location: Lake

Tuesday Morning, 7 November 2006, Concurrent Sessions

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

<p>Preplant Session III: Submitted Papers Loc: Orange Non-Chemical Alternatives Moderator: Dan Chellemi 8:00-8:20 <u>McSorley, Robert (19)- Solarization as an Alternative to Methyl Bromide in Florida Floriculture.</u> 8:20-8:40 <u>Theis, Judy A. (20)- Resistance of Watermelon Germplasm to Root-Knot Nematodes.</u> 8:40-9:00 <u>Wang, K.-H. (21)- Effect of Solarization and Cover Cropping on Pests, Beneficials and Pepper Yield.</u> 9:00-9:20 <u>Westphal, Andreas (22)- Use of Cover Crops for Management of Root Knot Nematodes in Cucurbits.</u> 9:20-9:40 <u>Bernal, R. F. (23)- Effect of Soil Solarization Combined with Some Amendments and The Evaluation of Chemical Products for the Control of <i>Meloidogyne incognita</i> (chitwood) Kofoid and White.</u> 9:40-10:00 Discussion Session</p>	<p>Postharvest Session III: Submitted Papers Loc: Osceola Chemical Alternatives – Non-Fumigant Moderator: Colwell Cook 8:00-8:20 <u>Arthur, Frank (79)- Susceptibility of Different Life Stages of <i>Tribolium</i> spp. To Pyrethrin Aerosol.</u> 8:20-8:40 <u>Kostyukovsky, Moshe (80)- Novaluron – a New IGR for Stored Product Pest Control.</u> 8:40-9:00 <u>Kostyukovsky, Moshe (81)- Phytochemicals as Fumigants and Repellents Against Stored Product Insects.</u> 9:00-9:45 <u>Cook, Colwell & Bill Chism Fumigant Management Plan (FMP).</u> 9:45-10:00 Discussion Session</p>
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10:00 am – 10:30 am **Break** **Location: Lake**

<p>Preplant Session IV: Submitted Papers Loc: Orange Acrolein Moderator: Stanley Culpepper 10:30-10:50 <u>Simmons, Lee J. (24)- An Overview of Acrolein (2-Propenal) Research Conducted at Auburn University.</u> 10:50-11:10 <u>Fennimore, Steven A. (25)- Evaluation of Acrolein for Weed Control in Tomato.</u> 11:10-11:30 <u>Belcher, Jason (26)- Drip-Applications of Acrolein in Tomato.</u> 11:30-11:50 <u>Welker, Robert (27), Acrolein and DMDS as methyl Bromide Alternatives in Tomatoes.</u> 11:50-12:00 Discussion Session</p>	<p>Postharvest Session IV: Submitted Papers Loc: Osceola Structural Fumigation Moderator: Pamela Peckman 10:30-10:50 <u>Mueller, John (82)- Six Years of Field Experience Using SF on Grain and Food Processing Facilities.</u> 10:50-11:10 <u>Hulasare, Raj (83)- Comparison of Heat Treatment Methods in Structures.</u> 11:10-11:30 <u>Hosoda, Ed (84)- Technology Transfer of Profume™ Gas Fumigant.</u> 11:30-11:50 <u>Maier, Dirk (85)- Development of Comprehensive Structural Fumigation Models.</u> 11:50-12:00 Discussion Session</p>
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12:00 noon – 1:00 pm **Lunch**

Tuesday Afternoon, 7 November 2006, Concurrent Sessions

Registration:

Location: Convention Registration Desk

Preplant Session V: Submitted Papers IPM/Transition Moderator: Hussein Ajwa 1:00-1:20 <u>McKenry, Michael (28)- Replacing Stone Fruit Orchards Without Soil Fumigation.</u> 1:20-1:40 <u>Thomas, John E. (29)- Use of Wavelength Selective Plastic Mulches in Florida Tomato Production.</u> 1:40-2:00 <u>Webster, Theodore M. (30)- Nutsedge Ecology in Plasticulture Affects Weed Management.</u> 2:00-2:20 <u>Klose, Susanne (31)- Nitrogen Dynamics in Soils of Alternative Fumigation Systems.</u> 2:20-2:40 <u>Noling, J. W. (32)- Methyl Bromide Transition Strategy for Florida Fruit & Vegetable Crops.</u> 2:40-3:00 <u>Sances, Frank V. (45)- Symmetry®; a New Technology for Improved Fumigant Application and Worker Safety.</u> 3:00-3:10 Discussion Session		Loc: Orange	Postharvest Session V: Submitted Papers Controlled Atmosphere Temperature Treatment System (CATTS) -- 1 Moderator: David Obenland 1:00-1:20 <u>Neven, Lisa (86)- Controlled Atmosphere Temperature Treatment System (CATTS): A History and Summary of Treatments of Apples and Stone Fruit.</u> 1:20-1:40 <u>Yahia, Elhadi M. (87)- Development of Quarantine Systems for Tropical Fruits Using Controlled Atmospheres.</u> 1:40-2:00 <u>Mitcham, Elizabeth (88)- Controlled Atmosphere/Temperature Treatments to Control Codling Moths in Bartlett Pears.</u> 2:00-2:20 <u>Brown, Gordon (89)- Maintaining Apple Fruit Quality with CATTS Disinfestation Treatment.</u> 2:20-2:40 <u>Lurie, Susan (90)- Control of Mediterranean Fruit Fly on Citrus with CATTS Technology.</u> 2:40-3:00 <u>Leach, Peter (91)- Non-Chemical Treatments for Control of Fruit Fly in Tropical Fruit.</u> 3:00-3:20 Discussion Session		Loc: Osceola
3:00 pm – 3:30 pm		Break	Location: Lake		
Preplant Session VI: Submitted Papers Area Wide methyl Bromide Alternatives Program Moderator: Sally Schneider 3:30-3:35 <u>Vick, Kenneth (33)- Overview of Area-wide Pest Management Project for Methyl Bromide Alternatives.</u> 3:35-3:55 <u>Chellemi, Daniel (34)- South Atlantic Component.</u> 3:55-4:15 <u>Browne, Greg (35)- Pacific Component.</u> 4:15-5:30 Discussion Session		Loc: Orange	Postharvest Session VI: Submitted Papers Controlled Atmosphere Temperature Treatment System (CATTS) -- 2 Moderator: Lisa Neven 3:30-3:50 <u>Obenland, David (92)- Fruit Quality Issues Associated with Development of a Commercial CATTS Treatment.</u> 3:50-4:10 <u>Lawrence, Frank (93)- FoodPro VHT/DHT & CATTS Post Harvest Alternative Treatment to Methyl Bromide.</u> 4:10-4:30 <u>Black, Dan (94)- Development of CATTS Technology: A Controls Perspective.</u> 4:30-4:50 <u>Vroom, Nico (95)- Improved Treatment Times for Controlled Atmospheres in Stored Product Pest Control.</u> 4:50-5:10 <u>Van Sickle, Gary W. (96)- CATTS: An Industry Perspective.</u> 5:10-5:30 Discussion Session		Loc: Osceola
5:30 pm – 7:30 pm		CSREES Grant Recipients Moderator: James Green		Location: Orange	
8:00 pm-10:00 pm		Fumigant Management Plan (FMP). Moderators: Colwell Cook & Bill Chism		Location: Orange	

Wednesday Morning, 8 November 2006, 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
Ornamentals, Tree Crop and Forest Tree Nurseries		Alternative Fumigants
Moderator: Mike McKenry		Moderator: Chris Reichmuth
8:00-8:20	<u>Ajwa, Husein (36)- Ranunculus Production with Methyl bromide Alternatives.</u>	8:00-8:20
8:20-8:40	<u>Roskopf, Erin N. (37)- Evaluation of MIDAS™ For Production of Ornamental Cockscomb (Celosia argentea) in Florida.</u>	8:20-8:40
8:40-9:00	<u>Klose, Susanne (38)- Methyl bromide Alternatives for California-Grown Calla Lilies.</u>	8:40-9:00
9:00-9:20	<u>Lampinen, Bruce D. (39)- Alternative Pre-Plant Soil Fumigation Treatments for Deciduous Tree Crops.</u>	9:00-9:20
9:20-9:40	<u>Starkey, Tom (40)- Tree Seedling Quality and Weed Control with BASAMID, MBR and Methyl Iodide.</u>	Discussion Session
9:40-10:00	Discussion Session	
10:00 am – 10:30 am	Break	Location: Lake
Preplant Session VIII: Submitted Papers	Loc: Orange	Postharvest Session VIII: Submitted Papers
Furfural		Chemical Alternatives – Phosphine/Fumigant Analysis
Moderator Robert Welker		Moderator: Suresh Prabhakaran
10:30-10:50	<u>Rodriguez-Kabana, R. (41)- The Nematicidal and Herbicidal Activities of Furfural: a Review.</u>	10:30-10:50
10:50-11:10	<u>Buntting, E. (42)- The Biological Efficacy of Furfural on Turf in the South African Environment.</u>	10:50-11:10
11:10-11:30	<u>Hensley, Jerry (43)- Development of Multigard™ Protect (Furfural) for Nematode Control in Turf.</u>	11:10-11:30
11:30-11:50	<u>Steyn, A. (44)- The Efficacy of Crop Guard® (furfural a.i.) as a Nematicide on Meloidogyne sp.</u>	11:30-11:50
11:50-12:10	Discussion Session	Discussion Session

Wednesday Afternoon, 8 November 2006, Concurrent Sessions

Registration:

Location: Convention Registration Desk

<p>Preplant Session IX: Submitted Papers Fumigant Efficacy/Emission Control Moderator: Steve Fennimore 1:00-1:20 Louws, Frank J. (61)- Efficacy of Methyl Bromide Alternatives for Weed and Verticillium Management in Tomatoes. 1:20-1:40 Noling, J. W. (46)- Fumigant Synergies; The Importance of Chloropicrin. 1:40-2:00 Noling, J. W. (47)- Identifying Causes of Pest Control Inconsistency with Soil Fumigation in Florida Strawberry. 2:00-2:20 Sullivan, David (48)- Recent Advancements in Ambient Monitoring Methods to Support Buffer Zone Assessments for Agricultural Fumigants. 2:20-2:40 Ha, Wonsook (49)- Plastic Film Permeability to Soil Fumigants. 2:40-3:00 Discussion Session</p>	<p align="center">Loc: Orange</p>	<p>Postharvest Session IX: Submitted Papers Chemical Alternatives – Sulfuryl Fluoride and Combinations Moderator: Jim Leesch 1:00-1:20 Muhareb, Jeannette (103)- Evaluation of Combining Sulfuryl Fluoride, Propylene Oxide & CO₂ for Stored Product Insects. 1:20-1:40 Campbell, James F. (104)- Evaluation of Two Fumigants for Rapid Treatment of Packaged Seeds. 1:40-2:00 Bookout, Anne (105)- Commercial Use of Profume® on Stored Cocoa Beans. 2:00-2:20 Klementz, Dagmar (106)- Sulfuryl Difluoride to Control Toward Immature Life Stages of <i>Ephesia elutella</i> (Hübner). 2:20-2:40 Prabhakaran, Suresh (107)- Commercialization and Adoption of Profume® Gas Fumigant. 2:40-3:00 Discussion Session</p>	<p align="center">Loc: Osceola</p>
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3:00 pm – 3:30 pm

Break

Location: Lake

<p>Preplant Session X: Submitted Papers Biorationals Moderator: Nancy Kokalis-Burelle 3:30-3:50 Becker, J. O. (50)- Improved Plant Protection against Root-Knot Nematodes by Combining Biorational Approaches. 3:50-4:10 Driver, J. G. (51)- Effects of Seed treatments to Manage Nematodes as an Alternative to Methyl Bromide on Cantaloupe. 4:10-4:30 Cerintas, Ramazan (52)- The Bio-herbicidal Effects of Daphne (<i>Laurus nobilis</i> L.) and Some of Its Important Components on the Germination of Some Weeds and Agronomic Crops. 4:30-4:50 4:50-5:10 Monfort, W. S. (54)- Brassica Species: Biocontrol for Soilborne Pathogens in Georgia Vegetable Plasticulture. 5:10-5:30 Monfort, W. S. (55)- Brassica Species: Biocontrol for Root-Knot Nematodes in Georgia Vegetable Plasticulture. 5:30-5:45 Discussion Session</p>	<p align="center">Loc: Orange</p>	<p>Postharvest Session X: Submitted Papers Methyl Bromide/Plant-Derived Chemicals Moderator: Jeannette Muhareb 3:30-3:50 Schilling, M.W. (108)- Methyl Bromide Use to Combat mite Infestation in Dry-cured Ham During Production. 3:50-4:10 Reichmuth, Ch. (109)- Side Effects of Methyl Bromide on Pharmaceuticals After Fumigation in Containers. 4:10-4:30 4:30-4:50 4:50-5:00 Discussion Session</p>	<p align="center">Loc: Osceola</p>
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5:30 pm – 7:00 pm

RECEPTION

Location: Lake

Thursday Morning, 9 November 2006, Concurrent Sessions

7:00 am	Registration:		Location: Convention Registration Desk
7:00 am	Coffee:		Location: Lake
Preplant Session XI: Submitted Papers		Loc: Orange	Preplant Session XII: Submitted Papers
Strawberry Alternatives			Other Crop Alternatives
Moderator:	Erin Rosskopf		Moderator: Mike Aerts
8:00-8:20	<u>Ajwa, Husein (56)- Efficacy of Two Formulations of MIDAS® for Strawberry Production.</u>		8:00-8:20 <u>Walker, Robert H. (62)- Preplant Bermudagrass Control in Warm-Season Sod Without Methyl Bromide.</u>
8:20-8:40	<u>Shem-Tov, Sachar (57)- Strawberry Production and Weed Control in Soils Treated with BASAMID and Chloropicrin.</u>		8:20-8:40 <u>Highland, H. Brett (63)- Muscodor Biofumigant – An Update on a Promising Methyl Bromide Alternative from Agraquest, Inc.</u>
8:40-9:00	<u>López-Aranda, José M. (58)- Strawberry Nurseries in Spain: Alternatives to MB, 2005 Results.</u>		8:40-9:00 <u>Browne, Greg T. (64)- Prunus Replant Disease in California and Its Management without Methyl Bromide.</u>
9:00-9:20	<u>López-Aranda, José M. (59)- Strawberry Production in Spain: Alternatives to MB, 2006 Results.</u>		9:00-9:20 <u>Culpepper, Stanley S. (65)- Methyl Bromide Alternatives Being Identified in Georgia.</u>
9:20-9:40	<u>Horner, Ian J. (60)- Summary of Alternative Fumigant Trials in New Zealand Strawberries, 1998-2006.</u>		9:20-9:40 <u>Olsen, Bernard (153)- MIDAS® EUP Field Update.</u>
9:40-10:00	Discussion Session		9:40-10:00 Discussion Session
10:00 am – 10:20 am		Break	Location: Lake
Preplant Session XIII: Submitted Papers		Loc: Orange	Preplant & Postharvest
Corporate New Product Presentations			Fumigant Management Plan (FMP).
Moderator:	Daniel A. Botts		Moderators: <u>Colwell Cook & Bill Chism</u>
10:20-10:40	<u>Rodriguez-Kabana, R. (66)- Inorganic Azides as Alternatives to Methyl Bromide in the Fumigation of Soils: a Review.</u>		10:30-12:00
10:40-11:00	<u>Richards, Douglas J. (67)- Update on Sodium Azide-Based Pesticides.</u>		
11:00-11:20	<u>Robinson, Philip W. (68)- Dimethyl Disulfide (DMDS) a Methyl Bromide Replacement Candidate.</u>		
11:20-11:40			
11:40-12:00	<u>Leyes, Gregory A. (70)- Nematode Control and Properties of Fosthiazate, a Methyl Bromide Alternative.</u>		
12:00-12:20	<u>Warren, Morris (71)- Propylene Oxide, A Soil Sterilant with Potential as a Methyl Bromide Replacement.</u>		
12:20-12:30	Discussion Session		

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

POSTER PRESENTATIONS

Moderator: Colwell Cook

PREPLANT:

- [Kokalis-Burelle, Nancy \(112\)- Efficacy of Midas for Control of *Meloidogyne incognita* on *Celosia* in Florida.](#)
- [Roskopf, Erin \(113\)- Midas Demonstration Plots in Bell Pepper.](#)
- [Candole, Byron \(114\)- Distribution and Efficacy of Methyl Isothiocyanate in Plastic-Mulched Soil Beds.](#)
- [Johnson, Wiley \(115\)- Yellow Nutsedge Control with Metham-Sodium in Transplanted Cantaloupe.](#)
- [Shrestha, Anil \(116\)- Surface Water Applications for Reducing Emissions from Telone C35: Their Effect on Weeds.](#)
- [Shrestha, Anil \(117\)- Weed Species Emergence Patterns under Methyl Bromide and Alternative Fumigants in Fruit Nurseries.](#)
- [Bogoescu, Marian \(118\)- Alternatives to Methyl Bromide Fumigation for Tomatoes in Romania Greenhouses.](#)
- [Gerik, James \(119\)- Evaluation of Emerging Alternative Chemicals for Control of Pathogens and Weeds.](#)
- [Gao, Suduan \(120\)- Soil Fumigation and Surface Seal Methods on 1,3-dichloropropene and Chloropicrin emissions in an Orchard Replant Field Trial.](#)
- [Gao, Suduan \(121\)- Trapping Efficiency of Cis-1,3-dichloropropene by XAD-4 Sorbent Tubes for Emission Studies.](#)
- [Kobara, Yuso \(150\)- Simple Estimation Method for Fumigants Gas Permeation Rates by Cup Method.](#)
- [Arnold, Frank \(122\)- Detection Tubes for New Fumigants.](#)
- [Chellemi, Dan \(123\)- Telone C-35 Demonstration Trial in Eggplant.](#)
- [Qin, Ruijun \(124\)- The Effect of Ammonium Thiosulfate on Reducing Fumigant Concentration under Tarp.](#)
- [McDonald, Jason \(125\)- Reduction of Fumigant Emissions Using Chemical and Organic Amendments.](#)
- [Hanson, Brad \(126\)- Evaluation of Reduced Methyl Bromide Rates in Perennial Crop Field Nurseries.](#)
- [Grey, Timothy \(127\)- Residual Herbicide Dissipation for Bare-soil Verses Soil under Low Density Polyethylene Mulch.](#)
- [Webster, Theodore \(128\)- Glyphosate Hinders Nutsedge Tuber Production.](#)
- [Webster, Theodore \(129\)- Lack of Nutsedge Efficacy when Halosulfuron is applied through Drip Irrigation.](#)
- [Little, Daniel \(130\)- Herbicide Alternatives to Methyl Bromide in Conifer Seedling Production.](#)
- [Little, Daniel \(131\)- Herbicide Alternatives to Methyl Bromide in Herbaceous Perennial Production.](#)
- [Sams, Carl \(132\)- Mustard Meal Biofumigation of Soils in Strawberry Production.](#)
- [Sams, Carl \(133\)- Biofumigation of Tomato Plots Alters Soil Microbial Community Structure.](#)
- [Fravel, Deborah \(134\)- Tomato Phenolics Altered by Biocontrol and Plant Pathogenic *Fusarium oxysporum*.](#)
- [Tursun, Nihat \(135\)- Bio-Herbicidal Effects of Thyme Essential Oil and Carvacrol on Different Weed and Crop Species.](#)
- [Nyczepir, Andrew P. \(136\)- Evaluation of Tall Fescue for Resistance to Root-Knot Nematode in Peach.](#)
- [Becker, Ole \(137\)- Bioassays for Detection and Analysis of *Prunus* Replant Suppression.](#)
- [Ryan, Robert \(138\)- Sterigas & Cosmic: Update on Proposed New Fumigants.](#)
- [Roberts, Daniel \(151\)- Use of Natural Products for Suppression of Soilborne Diseases of Cucumber.](#)

POSTHARVEST:

- [Ryan, Robert \(139\)- Vapormate: A Niche Methyl Bromide Alternative.](#)
- [Toews, Michael \(140\)- Efficacy of Aerosols for Managing the Red Flour Beetle.](#)

Nikpay, Amin (141)-	Laboratory Studies Evaluating the Insecticidal Efficacy of Six Diatomaceous Earth Formulations, as Structural Treatments, on Galvanized Steel Surfaces, Against Two Species of Coleoptera.
<u>Simpson, Tiffanie</u> (142)-	<u>Silicone-Based Surface to Control Pests on Harvested California Cherries.</u>
Griffith, Tom (143)-	The New Propylene Oxide Improves Pre and Post Harvest Uses.
<u>Isikber, Ali</u> (144)-	<u>Propylene Oxide: A Potential Quarantine and Pre-Shipment Fumigant for Disinfestation of Nuts.</u>
Park, Min-Goo (145)-	HCN with Forced Aeration in Imported Oranges.
<u>Mack, Ron</u> (146)-	<u>Alternative Quarantine Treatments for Hitching Snails.</u>
<u>Tubajika, Kayimbi M.</u> (147)-	<u>Efficacy of Sulfuryl Fluoride and Methyl Bromide against Wood-Inhabiting Fungi.</u>
Winborn, Ian (148)-	The CPHST Quarantine Treatment Portal.
<u>Levang-Brilz, Nichole</u> (149)-	<u>Irradiation as a Component of a Proposed IPPC Phytosanitary Treatment Manual.</u>
Maier, Dirk (152)-	Ozonation as a Non-chemical Stored Product Protection.