

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	PLENARY SESSION – Regulatory, National Strategy	Location: Orange
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 <u>Culpepper, Stanley (7) - DMDS or the 3 – Way: Which is More Effective in Georgia.</u> 1:20-1:40 <u>Chellemi, Dan (8) - Field Validation of a Fumigant Alternative to Methyl Bromide.</u> 1:40-2:00 <u>Welker, Rob (9) -On-Farm Research and Extension Activities to Implement MB Alternatives: An Area Wide Initiative Update.</u> 2:00-2:20 <u>Noling, J. W. (10) - Large Scale Demonstration Trialing of Methyl Bromide Alternatives in Florida Strawberry.</u> 2:20-2:40 <u>Fennimore, Steven, (11) - Facilitating Adoption of Alternatives to Methyl Bromide in California.</u> 2:40-3:00 <u>Browne, Greg (12)- Integrated Preplant Alternatives to Methyl Bromide for Almonds and Other Stone Fruits.</u></p>	<p>Loc: Orange</p>	<p>Postharvest Session I: Submitted Papers Physical/Radiofrequency Moderator: Frank Arthur 1:00-1:20 <u>Lagunas-Solar, Manuel (69)-Disinfection and Disinfestation Approach of Nut and Grain Products with Radiofrequency Power.</u> 1:20-1:40 <u>Chen, Zhangjing (70) - Efficacy of Vacuum/Steam Treatment of Mold Fungi in Cotton Bales.</u> 1:40-2:00 <u>Johnson, Judy (71)-Vacuum Treatments for California Tree Nuts.</u> 2:00-2:20 <u>Ferizli, Guray (72)-Museum Fumigation.</u> 2:20-2:40 <u>Emekci, Mevlut (73)-Insect Disinfestations of Historic Artifacts by Modified Atmospheres.</u> 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 <u>Quicke, Marie (13) - 2008 Area-wide Demonstration of Alternatives: Forest Nurseries in the Southern US.</u> 3:50-4:10 <u>Wang, Dong (14) - Methyl Bromide Alternatives for Vineyard Replant.</u> 4:10-4:30 <u>Weiland, Jerry (15) - Methyl bromide Alternatives in Oregon and Washington Forest Tree Nurseries.</u> 4:30-4:50 <u>Kluepfel, Dan (16) – Examination of Preplant Methyl Bromide Alternatives in a Walnut Tree Replant Site.</u> 4:50-5:10 <u>Ajwa, Hussein (17) - Fumigant Emissions Reduction by Using Low Permeability Film and Thiosulfate Water Seal.</u> 5:10-5:30 <u>Yates, Scott (18) - Update of Film Permeability Measurements for USDA-ARS Area-wide Research project.</u></p>	<p>Loc: Orange</p>	<p>Postharvest Session II: EPA Session EPA Determination of Structural Fumigation Profiles Moderator: Jeff Dawson 3:30-3:50 <u>Dawson, Jeff (74) - EPA Overview.</u> 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 <u>Upadhuaya, Shrini K. (19) - Tree Planting Site-Specific Fumigant Application To Control Almond Replant Disease.</u> 8:20-8:40 <u>Chellemi, Dan O. (20) - Improved Retention of a Soil Fumigant During Solid Tarp Application.</u> 8:40-9:00 <u>Sumner, Paul E. (21) - Soil Moisture Effects on Emission of Chloropicrin and Dimethyl Disulfide.</u> 9:00-9:20 <u>Gao, Suduan (22) - Dynamic Flux Chamber Systems for Fumigant Emission Measurements.</u> 9:20-9:40 <u>Yates, Scott (23) - Reducing Field-Scale Emissions of 1,3-D with Sequential Surface Irrigations.</u> 9:40-10:00 <u>Noling, J. W. (24) - Measuring Fumigant Concentrations and Persistence in Soil with PID – VOC Detectors.</u></p>	<p>Postharvest Session III: Submitted Papers Loc: Osceola QPS/Recapture Moderator: Jim Leesch 8:00-8:20 <u>Armstrong, Jack (75)-Ozone Fumigation to Control Quarantine Pests in Green Coffee.</u> 8:20-8:40 <u>van Someren Graver, Jan (76)-QPS Treatments with Methyl Bromide with Minimal Emissions: Is it a Possibility?</u> 8:40-9:00 <u>Williame, Eddy (77) - Razem a Methyl Bromide Recovering and Zero Emission Modular System.</u> 9:00-9:20 <u>Brash, Ken (78) – QPS & Residual Gas Extraction Systems.</u> 9:20-9:40 <u>Fox, Patricia (79)-AFAS: Methyl Bromide and Beyond.</u> 9:40-10:00 <u>Joyce, Peter (126) - Design Considerations for Large Scale Methyl Bromide Emissions Controls.</u></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 <u>Hanson, Bradley D. (25) - Pest Control with California Approved Nursery Stock Certification 1,3-D treatments.</u> 10:50-11:10 <u>Walters, Thomas (26) - Methyl Bromide Alternatives for Raspberry Nurseries.</u> 11:10-11:30 <u>Stoddard, C. Scott (27) - Methyl Bromide Fumigation Alternatives for Sweet Potato Hotbeds in California.</u> 11:30-11:50 <u>Roskopf, Erin (28) - Area-wide Demonstration of Chemical Alternatives to Methyl Bromide for Florida Ornamentals.</u> 11:50-12:00 <u>Klose, Susanne (29) - Pest Control in Field-grown Ranunculus without Methyl Bromide.</u></p>	<p>Postharvest Session IV: Submitted Papers Loc: Osceola Structural Fumigation Moderator: Pamela Peckman 10:30-10:50 <u>Glennon, Dennis (80)-Update: Automated Web-based Infrared Monitoring for Quarantine Fumigations.</u> 10:50-11:10 <u>Marcotte, Michelle (81)-Technical Efficacy, Costs and Adoption of Methyl Bromide Alternatives in Flour Mills.</u> 11:10-11:30 <u>Arthur, Frank (82) - Esfenvalerate Plus Methoprene Aerosol to Control the Indianmeal Moth.</u> 11:30-11:50 <u>Campbell, James (83) – Evaluating Impact of Structural Fumigation on Pest Populations.</u> 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	
Preplant Session V: Submitted Papers		Loc: Orange	Postharvest Session V: Submitted Papers
USDA ARS Area Wide Projects & Emission Reduction			Loc: Osceola
Moderator:	Dan Chellemi		Moderator: Thomas Phillips
1:00-1:20	<u>Ntow, William Joseph (30) - Monitoring of Chloropicrin Field Emissions from Shank Applications at Shallow and Deep Injection Sites.</u>		1:00-1:20 <u>Thoms, Ellen (84) – ProFume Update: Post – Harvest Commercial Acceptance and Performance in the US.</u>
1:20-1:40	<u>Qin, Ruijun (31) - Shank Designs and Soil Surface Treatments on 1,3-D Emissions in a Nursery Field Trial.</u>		1:20-1:40 <u>Buckley, Stanislas (85) – Adoption of ProFume in Europe After the Phase Out.</u>
1:40-2:00	<u>Yates, Scott (32) - Reducing Field-Scale Emissions of 1,3-D with Composted Municipal Green-Waste.</u>		1:40-2:00 <u>Walse, Spencer (86) – Multifactor Exploration of the Insecticidal Efficacy and Degradation of Sulfuryl Fluoride in Stored Walnuts.</u>
2:00-2:20	<u>Wang, Dong (33) - Reducing 1,3-D and Chloropicrin Emissions with Subsurface Drip and VIF.</u>		2:00-2:20 <u>Klementz, Dagmar (87) – Sulfuryl Fluoride Against All Stages of Rust-Red Grain Beetle and Merchant Grain Beetle.</u>
2:20-2:40	<u>Gao, Suduan (34) - Emissions of 1,3-Dichloropropene and Chloropicrin From Soils with Manure Amendment and Post-Fumigation Water Treatment.</u>		2:20-2:40 <u>Reichmuth, Christoph (88) – How to Overcome the Egg-Weakness of Sulfuryl Florida - Combinations of Control Methods.</u>
2:40-3:00	<u>Ajwa, Hussein (35) - Testing Film Permeability to Fumigants Under Laboratory and Field Conditions.</u>		2:40-3:00 Discussion Session
3:00 pm – 3:30 pm		Break	Location: Lake
Preplant Session VI: EPA Session		Loc: Orange	Postharvest Session VI: Submitted Papers
Risk Mitigation Requirements for Soil Fumigants			Loc: Osceola
Moderator:	John Leahy		Moderator: Christoph Reichmuth
3:30-4:00	<u>Leahy John /Steven Weiss (59)</u>		3:30-3:50 <u>Phillips, Tom (89) – Efficacy of Sulfuryl Fluoride to Control Ham Mites and Red-Legged Ham Beetles.</u>
4:00-5:30	Discussion Session		3:50-4:10 <u>Sekhon, R. (90) – Chemical Composition of Dry Cured Hams Fumigated with Sulfuryl Fluoride.</u>
			4:10-4:30 <u>Thoms, Ellen (91) – Confirmation of Proposed Sulfuryl Fluoride Quarantine Dosages for Pinewood Nematode Control.</u>
			4:30-4:50 <u>Thoms, Ellen (92) – Sulfuryl Fluoride as a Quarantine Treatment for the Emerald Ash Borer in Firewood.</u>
			4:50-5:10 Discussion Session

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/Areawide	
Moderator: Scott Yates		Moderator: Spenser Walse	
8:00-8:20	<u>Villahoz, Marcello D. (37) - TIF (Totally Impermeable Film): An Innovative Film for Mulch, Broadcast Fumigation and Greenhouses in Agriculture.</u>	8:00-8:20	<u>Brash, Don (93) – Phosphine for Disinfestation of Pine Logs and Sawn Timber from New Zealand.</u>
8:20-8:40	<u>Chow, Edgard A. (38) - Properties of EVOH and TIF Films for the Reduction of Fumigant Dosage and VOC Emission.</u>	8:20-8:40	<u>Kostyukovsky, Moshe (94) – Phosphine Fumigation with Speedbox: Effectiveness and Advantages.</u>
8:40-9:00	<u>McKown, Clem (39) - Paladin® - Dimethyl Disulfide as a Replacement Soil Fumigant for Methyl Bromide.</u>	8:40-9:00	<u>Phillips, Neil (95) – QuickPHlo-R Phosphine Fumigation System – A New, Safer Approach.</u>
9:00-9:20	<u>Du Fretay, Gael (40) - Promising Results in Europe with DMDS for Soil Fumigation.</u>	9:00-9:20	<u>Siegel, Joel (96) – Navel Orangeworm Area-Wide Control Program.</u>
9:20-9:40	<u>Welker, R. M. (41) - Paladin as a Methyl Bromide Alternative in Tomatoes: Drip vs. Shank Application Methods.</u>	9:20-9:40	<u>van Golen, Jacobien (123) – EcO₂ Low-Oxygen Disinfestation of Post Harvest Commodities, Structures, Silos and (Export/Import) Containers.</u>
9:40-10:00	<u>Rodriguez-Kabana, Rodrigo (42) - Pesticidal Properties of Hydrogen Cyanamide: a Nonfumigant Water Soluble Compound.</u>	9:40-10:00	<u>Hosoda, Ed (125) – ECO2FUME and VAPORH₃ as Methyl Bromide Alternatives.</u>
10:00 am – 10:30 am	Break	Location: Lake	
Preplant Session VIII: Submitted Papers	Loc: Orange	Postharvest Session VIII: Submitted Papers	
Iodomethane and Metham		Chemical Alternatives	
Moderator Nancy Burelle		Moderator: Joel Siegel	
10:30-10:50	<u>Olsen, Bernard (43) - Midas® Soil Fumigant Update – Commercial Use and Results.</u>	10:30-10:50	<u>van Someren Graver, Jan (97) – Efficacy of Ethanedinitile at Low Temperature Against Cereal Pathogens: a Situation Report.</u>
10:50-11:10	<u>Sances, F. V. (44) - Expanded Field Testing & Commercial Development of Symmetry® Fumigant Application Technology.</u>	10:50-11:10	<u>Banks, Jonathan (98) – Ethyl Formate Plus Methyl Isothiocyanate is a Potential Liquid Fumigate for Stored Grains.</u>
11:10-11:30	<u>Noling, J. W. (45) - Determining Metham Sodium lethal Dosage for Nematodes in Grower Field Microplots.</u>	11:10-11:30	<u>Griffith, Tom (99) – Propylene Oxide a Versatile Post Harvest Fumigant.</u>
11:30-11:50	<u>Norton, Jack A. (46) - Metam Combinations as Alternatives to Methyl Bromide in US-Grown Strawberries and Mulched Vegetables.</u>	11:30-11:50	<u>Muhareb, Jeannette (124) – Evaluation of Combining Sulfuryl Fluoride, Propylene Oxide & CO₂ for Stored Product Insect Control.</u>
11:50-12:10	<u>Sullivan, David (47) - Advancements in Emission Assessment and Dispersion Modeling Methods for Metam Sodium.</u>	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 <u>Griffith, Tom (48) - Propylene Oxide Update.</u> 1:20-1:40 <u>Busacca, John (49) - Efficacy of XRM-5162 Against Nutsedge (<i>Cyperus Spp</i>) in Small Plot Trials.</u> 1:40-2:00 <u>Belcher, Jason (50) - Strawberry and Tomato Response to Acrolein.</u> 2:00-2:20 <u>Welker, R. M. (51) - Drip Applied Acrolein With and Without VIF Mulch as a Methyl Bromide Alternative in Tomatoes.</u> 2:20-2:40 <u>Lopez-Aranda, Jose M. (53) - Strawberry Production In Spain: Alternatives to MB, 2008 Results.</u> 2:40-3:00 <u>Simmons, Lee J. (52) - Effects of Drip-Applied Acrolein on Natural Soil Populations of Tricoderma and Fusarium.</u></p>	<p>Loc: Orange</p>	<p>Preplant Session X: Submitted Papers Physical and Biocontrol Alternatives Moderator: Frank Louws 1:00-1:20 <u>Simmons, Lee J. (57) - Efficacy of Granular <i>Pasteuria usage</i> for Controlling Sting Nematodes in Turfgrass and Golf Greens.</u> 1:20-1:40 <u>Hewlett, T. E. (55) - Pasteuria Field Studies Using Endospores to Control Sting Nematode on Turf.</u> 1:40-2:00 <u>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.</u> 2:00-2:20 <u>McSorley, Robert (54) - Methyl Bromide Alternatives for Floriculture Production In A Problem Site.</u> 2:20-2:40 <u>Fennimore, Steven (58) - Steam and Heat for Soil Disinfestation.</u> 2:40-3:00 <u>Besri, Mohamed (60) - Cucurbits Grafting as Alternative to Methyl Bromide for Cucurbits Production in Morocco.</u></p>	<p>Loc: Osceola</p>
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<p>3:00 pm – 3:30 pm</p>	<p>Break</p>	<p>Location: Lake</p>
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<p>Preplant Session X: EPA Workshop EPA Fumigant Emission Workshop Moderator: Jeff Dawson 3:30-4:00 <u>Dawson, Jeff & Charles Smith (36)</u> 4:00-5:30 Discussion Session</p>	<p>Loc: Orange</p>	<p>Open</p>	<p>Loc: Osceola</p>
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<p>5:30 pm – 7:00 pm</p>	<p>RECEPTION</p>	<p>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	<u>Louws, Frank J. (61) - Grafting as a Viable Tool to Manage Major Tomato Diseases in the Southeastern USA.</u>		
8:20-8:40	<u>Minuto, Andre (127) – Status of Grafting in Italy.</u>		
8:40-9:00	<u>Kokalis-Burelle, Nancy (63) - Alternative Fumigants and Grafting for Tomato and Double-Cropped Muskmelon Production in Florida.</u>		
9:00-9:20	<u>Kubota, Chieri (64) - A Multidisciplinary Project for Introducing Vegetable Grafting in the U. S. A.</u>		
9:20-9:30	Discussion Session		
9:30 am – 10:00 am		Break	Location: Lake
Preplant Session XIII: Submitted Papers		Loc: Orange	Open
Physical and Chemical Alternatives			Loc: Osceola
Moderator:	Marie Quicke		
10:00-10:20	<u>Starkey, Tom (65) - Tolerance of Pine Seedlings to Shank-Injected Nematocides.</u>		
10:20-10:40	<u>Lopez-Aranda, Jose M. (66) - SEMARNAT/UNIDO Demonstrations on MB Alternatives for Strawberry In Baja California (Mexico), Preliminary results.</u>		
10:40-11:00	<u>Lopez-Aranda, Jose M. (67) - Strawberry Nurseries in Spain: Alternatives to MB, 2007 Results.</u>		
11:00-11:20	<u>Fennimore, Steven (68) - Soil Disinfestation with Steam and Solarization for Flower and Strawberry.</u>		
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 *Meloidogne 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:

- [Ryan, Robert \(118\) - Recycled Carbon Dioxide – the Veteran & Versatile Pesticide.](#)
- [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.](#)