

Appendix H. Bibliography of Accepted ECOTOX Open Literature for Methyl Bromide

Accepted for EcoTox and OPP

Adu, O. O. and Muthu, M. (1985). The Relative Toxicity of Seven Fumigants to Life Cycle Stages of *Callosobruchus chinensis* (L). *Insect Sci. Appl.* 6: 75-78.

EcoReference No.: 150477

Chemical of Concern: ACY,CH3I,EDB,IDM,MB,PPHN; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB,PPHN), NO EFED CHEM (ACY,CH3I,EDB,IDM).

Ajwa, H. A. and Trout, T. (2004). Drip Application of Alternative Fumigants to Methyl Bromide for Strawberry Production. *Hortscience* 39: 1707-1715.

EcoReference No.: 89252

Chemical of Concern: CLP,MBCP,MTAS,TC17; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (CLP,MBCP), OK (MTAS,TC17).

Albregts, E. E., Gilreath, J. R., and Chandler, C. K. (1996). Soil Solarization and Fumigant Alternatives to Methyl Bromide for Strawberry Fruit Production. *Soil Crop Sci. Soc. Fla. Proc.* 55: 16-20.

EcoReference No.: 153101

Chemical of Concern: MBCP,MTAS,TC17; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MBCP,MTAS,TC17).

Bang, Y. H. and Telford, H. S. (1966). Effect of Sublethal Doses of Fumigants on Stored-Grain Insects. *Tech. Bull. No. 50, Wash. Agric. Exp. Stn* 22 p.

EcoReference No.: 150616

Chemical of Concern: CLP,CTC,EDB,HCNA,MB,PPHN; Habitat: T; Effect Codes: BEH,GRO,MOR,PHY; Code: LITE EVAL CODED (CLP,HCNA,MB,PPHN), NO EFED CHEM (CTC,EDB).

Barak, A. V., Wang, Y., Xu, L., Rong, Z., Hang, X., and Zhan, G. (2005). Methyl Bromide as a Quarantine Treatment for *Anoplophora glabripennis* (Coleoptera: Cerambycidae) in Regulated Wood Packing Material. *J. Econ. Entomol.* 98: 1911-1916.

EcoReference No.: 153133

Chemical of Concern: MB; Habitat: T; Effect Codes: MOR,POP; Code: LITE EVAL CODED (MB).

Barnard, E. L., Dixon, W. N., Ash, E. C., Fraedrich, S. W., and Cordell, C. E. (1995). Scalping Reduces Impact of Soilborne Pests and Improves Survival and Growth of Slash Pine Seedlings on Converted Agricultural Croplands. *South. J. Appl. For.* 19: 49-59.

EcoReference No.: 90506

Chemical of Concern: ATZ,BMY,CBF,CPY,DZ,MBCP,SMM; Habitat: T; Effect Codes: GRO,MOR,POP; Code: LITE EVAL CODED (BMY,CBF,CPY,DZ,MBCP), NO MIXTURE (ATZ,SMM).

Belcher, J. L. (2008). Acrolein (2-Propenal): A Potential Alternative to Methyl Bromide. *Ph.D.Thesis, Auburn University, Auburn, AL* 74 p. (UMI #3333109).

EcoReference No.: 151624

Chemical of Concern: ACL,MBCP,MTAS; Habitat: T; Effect Codes: GRO,MOR,POP,REP; Code: LITE EVAL CODED (ACL,MBCP,MTAS).

Bell, C. H. (1982). Depression of the Minimum Concentration of Methyl Bromide Effective Against Diapausing Warehouse Moth Larvae at 15 C by Prior Exposure at a Moderate Concentration. *Pestic. Sci.* 13: 442-446.

EcoReference No.: 153004

Chemical of Concern: MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB).

Bell, C. H. (1974). Studies on the Toxicity of Phosphine and Methyl Bromide to Four Moth Pests of Stored Products with Special Emphasis on the Influence of Diapause. *Ph.D. Thesis, Brunel Univ., London UK* 326 p.

EcoReference No.: 153092

Chemical of Concern: MB,PPHN; Habitat: T; Effect Codes: GRO,MOR,REP; Code: LITE EVAL CODED (MB), OK (PPHN).

Bell, C. H. (1976). The Tolerance of Immature Stages of Four Stored Product Moths to Methyl Bromide. *J. Stored Prod. Res.* 12: 1-10.

EcoReference No.: 153218

Chemical of Concern: MB; Habitat: T; Effect Codes: GRO,MOR,REP; Code: LITE EVAL CODED (MB).

Bell, C. H. (1977). Tolerance of the Diapausing Stages of Four Species of Lepidoptera to Methyl Bromide. *J. Stored Prod. Res.* 13: 119-127.

EcoReference No.: 153003

Chemical of Concern: MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB).

Benlioglu, S., Boz, O., Yildiz, A., Kaskavalcı, G., and Benlioglu, K. (2005). Alternative Soil Solarization Treatments for the Control of Soil-Borne Diseases and Weeds of Strawberry in the Western Anatolia of Turkey. *J. Phytopathol.* 153: 423-430.

EcoReference No.: 89520

Chemical of Concern: MB,MTAS,TC17; Habitat: T; Effect Codes: PHY,POP; Code: LITE EVAL CODED (MB), OK (MTAS,TC17).

Bletsos, F. A. (2006). Grafting and Calcium Cyanamide as Alternatives to Methyl Bromide for Greenhouse Eggplant Production. *Sci. Hortic.* 107: 325-331.

EcoReference No.: 153240

Chemical of Concern: CaCY,MB; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MB), OK (CaCY).

Bond, E. J. (1956). The Effect of Methyl Bromide on the Respiration of the *Cadell Tenerbrioides mauritanicus* (L.) (Coleoptera: Ostomidae). *Can. J. Zool.* 34: 405-415.

EcoReference No.: 153062

Chemical of Concern: MB; Habitat: T; Effect Codes: BEH,GRO,MOR,PHY; Code: LITE EVAL CODED (MB).

Brandon, N. J., Shelton, H. M., and Peck, D. M. (1997). Factors Affecting the Early Growth of *Leucaena leucocephala* 2. Importance of Arbuscular Mycorrhizal Fungi, Grass Competition and Phosphorus Application on Yield and Nodulation of *Leucaena* in Pots. *Aust. J. Exp. Agric.* 37: 35-43.

EcoReference No.: 153008

Chemical of Concern: MB; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MB).

Brar, R. S., Sharma, R., and Khandelwal, S. (2005). Effect of Certain Fumigants and Containers on the Viability of Wheat Seeds. *Geobios (Jodhpur)* 32: 253-256.

EcoReference No.: 150612

Chemical of Concern: CBNDS,CTC,MB,PPHN; Habitat: T; Effect Codes: BCM,REP; Code: LITE EVAL CODED (CBNDS,MB,PPHN), NO EFED CHEM (CTC).

Candole, B. L., Csinos, A. S., and Wang, D. (2007). Concentrations in Soil and Efficacy of Drip-Applied 1,3-D+Chloropicrin and Metam Sodium in Plastic-Mulched Sandy Soil Beds. *Crop Prot.* 26: 1801-1809.

EcoReference No.: 150363

Chemical of Concern: MBCP,MTAS,TC17; Habitat: T; Effect Codes: POP,REP; Code: LITE EVAL CODED (MBCP,MTAS,TC17).

Canton, J. H., Wegman, R. C. C., Mathijssen-Spiekman, E. A. M., and Wammes, J. Y. (1980). Hydrobiological Toxicological Research with Methylbromide. *Rep.No.105/80, Natl.Inst.Public Health Environ.Hyg.* 4 p.(DUT).

EcoReference No.: 5331

Chemical of Concern: ASO,MB; Habitat: A; Effect Codes: BEH,GRO,MOR,PHY,REP; Code: LITE EVAL CODED (MB).

Cassells, J., Banks, H. J., and Annis, P. C. (1994). Mortality of Snails, *Ceratomyxa virgata* and *Cochlicella acuta*, Exposed to Fumigants, Controlled Atmospheres or Heat Disinfestation. *In: Proc.6th Int.Working Conf.on Stored Product Protection, Volume 1* 50-55.

EcoReference No.: 150778

Chemical of Concern: CBNDO,CBND,HCNA,MB,PPHN; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (CBND,HCNA,MB,PPHN), NO TOXICANT (CBNDO).

Cebolla, V., Bartual, R., and Maroto, V. (2005). Water Volume as Related to Effectiveness of 1,3-Dichloropropene and Chloropicrin Mixture by Drip Application for a Strawberry Crop in Spain. *Acta Hortic. (Wagening.)* 698: 77-82.

EcoReference No.: 89255

Chemical of Concern: MB,TC17; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MB), OK (TC17).

Cebolla, V., Navarro, C., Miguel, A., Llorach, S., and Monfort, P. (2004). The Control of *Verticillium dahliae* on Artichokes by Chemical and non Chemical Soil Disinfestation Methods. *Acta Hortic. (Wagening.)* 660: 473-478.

EcoReference No.: 92870

Chemical of Concern: 13DPE,DPDP,MB,MTAS,TC17; Habitat: T; Effect Codes: GRO,MOR,POP; Code: LITE EVAL CODED (MB), NO MIXTURE (13DPE,DPDP,MTAS), OK (TC17).

Chandler, C. K., Legard, D. E., and Noling, J. W. (2001). Performance of Strawberry Cultivars on Fumigated and Nonfumigated Soil in Florida. *HortTechnology* 11: 69-71.

EcoReference No.: 153253

Chemical of Concern: MBCP; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (MBCP).

Chemical Manufacturers Association (1993). Initial Submission: Status Report on Study of Methyl Bromide

Toxicity to Rainbow Trout by Letter from Chem Mfgs Assn to USEPA Dated 10/25/93 with Attachments. EPA/OTS Doc. #88-940000027 8 p. (OTS0555996).

EcoReference No.: 153090

Chemical of Concern: MB; Habitat: A; Effect Codes: BEH,MOR,PHY; Code: LITE EVAL CODED (MB).

Cogburn, R. R. and Gillenwater, H. B. (1972). Interaction of Gamma Radiation and Fumigation of Confused Flour Beetles. *J. Econ. Entomol.* 65: 245-248.

EcoReference No.: 150435

Chemical of Concern: MB,PPHN; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB), OK (PPHN).

Cox, P. D., Bell, C. H., Pearson, J., and Beirne, M. A. (1984). The Effect of Diapause on the Tolerance of Larvae of *Ephestia kuehniella* to Methyl Bromide and Phosphine. *J. Stored Prod. Res.* 20: 215-219.

EcoReference No.: 150617

Chemical of Concern: MB,PPHN; Habitat: T; Effect Codes: GRO,MOR; Code: LITE EVAL CODED (MB,PPHN).

Csinos, A. S., Webster, T. M., Sumner, D. R., Johnson, A. W., Dowler, C. C., and Seebold, K. W. (2002). Application and Crop Safety Parameters for Soil Fumigants. *Crop Prot.* 21: 973-982.

EcoReference No.: 98034

Chemical of Concern: MBCP,MTAS,TC17; Habitat: T; Effect Codes: GRO,PHY,POP; Code: LITE EVAL CODED (MBCP), OK (MTAS,TC17).

Danse, L. H. J. C., Van Velsen, F. L., and Van der Heijden, C. A. (1984). Methylbromide: Carcinogenic Effects in the Rat Forestomach. *Toxicol. Appl. Pharmacol.* 72: 262-271.

EcoReference No.: 36330

Chemical of Concern: MB; Habitat: T; Effect Codes: BCM,BEH,CEL,GRO,MOR,PHY; Code: LITE EVAL CODED (MB).

Darby, J. F., Dieter, C. E., and Rau, G. J. (1962). Evaluation of Treatments for Control of Soil-Borne Pests in Celery Seedbeds. *Plant Dis. Rep.* 46: 441-443.

EcoReference No.: 89323

Chemical of Concern: CLP,DD,DZM,EDB,FML,MBCP,MTAS,Urea; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (CLP,MBCP), NO EFED CHEM (EDB,FML,Urea), OK (DD,DZM,MTAS).

Desaeger, J. A., Seebold, K. W., and Csinos, A. S. (2008). Effect of Application Timing and Method on Efficacy and Phytotoxicity of 1,3-D, Chloropicrin and Metam-Sodium Combinations in Squash Plasticulture. *Pest Manag. Sci.* 64: 230-238.

EcoReference No.: 150365

Chemical of Concern: CTN,CuOH,EFV,GYPI,MBCP,MOM,MTAS,MZB,PMR,SS,TC17; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MBCP,MTAS,TC17), NO EFED CHEM (SS), OK (CTN,CuOH,EFV,GYPI,MOM,MZB,PMR).

Di Vito, M., Zaccheo, G., Catalano, F., and Campanelli, R. (2000). Effect of Soil Solarization and Low Doses of Fumigants on Control of the Root-Knot Nematode *Meloidogyne incognita*. *Acta Hortic. (Wagening.)* 532: 171-173.

EcoReference No.: 79818

Chemical of Concern: 13DPE,DPDP,DZM,MB; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (DZM,MB), OK (13DPE,DPDP).

Donahaye, E., Navarro, S., Rindner, M., and Dias, R. (1991). The Influence of Different Treatments Causing Emigration of Nitidulid Beetles. *Phytoparasitica* 19: 273-282.

EcoReference No.: 153119

Chemical of Concern: CBNDO,MB; Habitat: T; Effect Codes: BEH,POP; Code: LITE EVAL CODED (CBNDO,MB).

El-Nahal, A. K. M., Barakat, A. A., El-Halafawy, M. A., and Hassan, H. I. (1984). Susceptibility of the Natural Strains of *Sitophilus oryzae* (L.), *Sitophilus granarius* (L.), *Rhizopertha dominica* (F.) and *Tribolium castaneum* (Herbst) Collected from the Different Governorates of Egypt to Methyl Bromide and Phosphine. *Bull. Entomol. Soc. Egypt* 0: 141-154.

EcoReference No.: 150783

Chemical of Concern: MB,PPHN; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB,PPHN).

El-Nahal, A. K. M., Barakat, A. A., and Hashem, M. Y. (1984). Effect of Sublethal Concentration Time Products on the Biology and Fecundity of the Cowpea Weevil, *Callosobruchus maculatus* (F.) Fumigated with Methyl Bromide. *Bull. Entomol. Soc. Egypt* 14: 133-140.

EcoReference No.: 153180

Chemical of Concern: MB; Habitat: T; Effect Codes: GRO,MOR,REP; Code: LITE EVAL CODED (MB).

Ethyl Corp. (1987). Teratogenicity Study of Methyl Bromide Dosed Orally with Cover Letters Dated 072987. *EPA/OTS Doc. #86-870001186* 42 p.

EcoReference No.: 152997

Chemical of Concern: MB; Habitat: T; Effect Codes: GRO,MOR,REP; Code: LITE EVAL CODED (MB).

Fennimore, S. A., Haar, M. J., and Ajwa, H. A. (2003). Weed Control in Strawberry Provided by Shank- and Drip-Applied Methyl Bromide Alternative Fumigants. *Hortscience* 38: 55-61.

EcoReference No.: 153056

Chemical of Concern: CLP,MBCP,MTAS,TC17; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (MBCP), NO ENDPOINT (CLP,MTAS,TC17).

Fennimore, S. A., Haar, M. J., Goodhue, R. E., and Winterbottom, C. Q. (2008). Weed Control in Strawberry Runner Plant Nurseries with Methyl Bromide Alternative Fumigants. *Hortscience* 43: 1495-1500.

EcoReference No.: 153242

Chemical of Concern: CLP,DZM,MBCP,TC17; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (MBCP), NO MIXTURE (CLP,DZM,TC17).

Fort, S. B. and Shaw, D. V. (2000). Genetic Analysis of Strawberry Root System Traits in Fumigated and Nonfumigated Soils I. Inheritance Patterns of Strawberry Root System Characteristics. *J. Am. Soc. Hortic. Sci.* 125: 318-323.

EcoReference No.: 153190

Chemical of Concern: MBCP; Habitat: T; Effect Codes: GRO; Code: LITE EVAL CODED (MBCP).

Fort, S. B. and Shaw, D. V. (2000). Genetic Analysis of Strawberry Root System Traits in Fumigated and Nonfumigated Soils II. Relationships Among Root System and Above-Ground Traits of Strawberry Seedlings. *J. Am. Soc. Hortic. Sci.* 125: 324-329.

EcoReference No.: 153189

Chemical of Concern: MBCP; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MBCP).

Fort, S. B. and Shaw, D. V. (1998). Phenotypic Correlations Between Root and Shoot Traits of Strawberry in Fumigated and Nonfumigated Soils. *Hortscience* 33: 222-224 .

EcoReference No.: 153191

Chemical of Concern: MBCP; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MBCP).

Fort, S. B., Shaw, D. V., and Larson, K. D. (1996). Performance Responses of Strawberry Seedlings to the Sublethal Effects of Nonfumigated Soils. *J. Am. Soc. Hortic. Sci.* 121: 367-370.

EcoReference No.: 153187

Chemical of Concern: MBCP; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MBCP).

Fraedrich, S. W. and Dwinell, L. D. (2003). The Effects of Soil Fumigation on Pine Seedling Production, Weeds, Foliar and Soil Nutrients, and Soilborne Microorganisms at a South Georgia (U.S.A.) Forest Tree Nursery. *Can. J. For. Res.* 33: 1698-1708.

EcoReference No.: 153214

Chemical of Concern: MBCP; Habitat: T; Effect Codes: BCM,GRO,POP; Code: LITE EVAL CODED (MBCP).

Fraedrich, S. W. and Dwinell, L. D. (2003). An Evaluation of Dazomet Incorporation Methods on Soilborne Organisms and Pine Seedling Production in Southern Nurseries. *South. J. Appl. For.* 27: 41-51.

EcoReference No.: 79894

Chemical of Concern: DZM,MBCP; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (DZM,MBCP).

Garcia-Mendez, E., Garcia-Sinovas, D., Becerril, M., De Cal, A., Melgarejo, P., Martinez-Treceno, A., Fennimore, S. A., Soria, C., Medina, J. J., and Lopez-Aranda, J. M. (2008). Chemical Alternatives to Methyl Bromide for Weed Control and Runner Plant Production in Strawberry Nurseries. *Hortscience* 43: 177-182.

EcoReference No.: 150424

Chemical of Concern: CLP,DMDS,DZM,MBCP,MTAS,PPO,TC17; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MBCP), NO MIXTURE (DMDS,MTAS), OK (CLP,DZM,PPO,TC17).

Gibb, T. J. and Buhler, W. G. (1998). Infectivity of *Steinernema carpocapsae* (Rhabditida: Steinernematidae) in Sterilized and Herbicide-Treated Soil. *J. Entomol. Sci.* 33: 152-157.

EcoReference No.: 96912

Chemical of Concern: GYPI,MB; Habitat: T; Effect Codes: PHY; Code: LITE EVAL CODED (GYPI,MB).

Gilreath, J. P., Jones, J. P., Santos, B. M., and Overman, A. J. (2004). Soil Fumigant Evaluations for Soilborne Pest and *Cyperus rotundus* Control in Fresh Market Tomato. *Crop Prot.* 23: 889-893.

EcoReference No.: 77512

Chemical of Concern: CLP,DZM,FTZ,MBCP,MTAS,PEB,TC17; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (CLP,DZM,MBCP), NO EFED CHEM (PEB), NO MIXTURE (FTZ,PEB,TC17), OK (MTAS).

Gilreath, J. P., Motis, T. N., and Santos, B. M. (2005). Cyperus spp. Control with Reduced Methyl Bromide plus Chloropicrin Doses Under Virtually Impermeable Films in Pepper. *Crop Prot.* 24: 285-287.

EcoReference No.: 152835

Chemical of Concern: MBCP; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MBCP).

Gilreath, J. P., Motis, T. N., Santos, B. M., Mirusso, J. M., Gilreath, P. R., Noling, J. W., and Jones, J. P. (2005). Influence of Supplementary in-Bed Chloropicrin Application on Soilborne Pest Control in Tomato (*Lycopersicon esculentum*). *Crop Prot.* 24: 779-784.

EcoReference No.: 88890

Chemical of Concern: CLP,MBCP,TC17; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (MBCP), OK (CLP,TC17).

Gilreath, J. P., Noling, J. W., and Santos, B. M. (2004). Methyl Bromide Alternatives for Bell Pepper (*Capsicum annuum*) and Cucumber (*Cucumis sativus*) Rotations. *Crop Prot.* 23: 347-351.

EcoReference No.: 73246

Chemical of Concern: CLP,MBCP,MTAS,MTL,NH3,NPP,PEB,TC17; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (MBCP), NO EFED CHEM (NPP,PEB), OK (CLP,MTAS,MTL,NH3,TC17).

Gilreath, J. P., Santos, B. M., Jones, J. P., and Noling, J. W. (2004). Efficacy of Mulches and Methyl Bromide Alternatives on Soilborne Pests and Weeds in Spring Tomato. *Asian J. Plant Sci.* 3: 670-674.

EcoReference No.: 153125

Chemical of Concern: CLP,MBCP,MTAS,PEB,TC17; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MBCP), NO EFED CHEM (PEB), NO MIXTURE (CLP,MTAS,PEB,TC17).

Gilreath, J. P., Santos, B. M., and Motis, T. N. (2008). Performance of Methyl Bromide Alternatives in Strawberry. *HortTechnology* 18: 80-83.

EcoReference No.: 150351

Chemical of Concern: ASCN,CLP,DZM,FTZ,FUR,MBCP,MTAS,PPO,TC17; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MBCP), OK (ASCN,CLP,DZM,FTZ,FUR,MTAS,PPO,TC17).

Gilreath, J. P., Santos, B. M., Noling, J. W., Locascio, S. J., Dickson, D. W., Roskopf, E. N., and Olson, S. M. (2006). Performance of Containerized and Bare-Root Transplants with Soil Fumigants for Florida Strawberry Production. *HortTechnology* 16: 461-465.

EcoReference No.: 153209

Chemical of Concern: CLP,MBCP,MTAS,NPP,TC17; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MBCP), NO EFED CHEM (NPP), NO MIXTURE (CLP,MTAS,NPP,TC17).

Haar, M. J., Fennimore, S. A., Ajwa, H. A., and Winterbottom, C. Q. (2003). Chloropicrin Effect on Weed Seed Viability. *Crop Prot.* 22: 109-115.

EcoReference No.: 77528

Chemical of Concern: CLP,MBCP,MTAS; Habitat: T; Effect Codes: REP; Code: LITE EVAL

CODED (CLP,MBCP,MTAS).

Hansen, J. D., Drake, S. R., Moffitt, H. R., Albano, D. J., and Heidt, M. L. (2000). Methyl Bromide Fumigation of Five Cultivars of Sweet Cherries as a Quarantine Treatment Against Codling Moth. *HortTechnology* 10: 194-198.

EcoReference No.: 153230

Chemical of Concern: MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB).

Hansen, J. D., Drake, S. R., Moffitt, H. R., Robertson, J. L., Albano, D. J., and Heidt, M. L. (2000). A Two-Component Quarantine Treatment for Postharvest Control of Codling Moth on Apple Cultivars Intended for Export to Japan and Korea. *HortTechnology* 10: 186-194.

EcoReference No.: 153231

Chemical of Concern: MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB).

Harris, D. C. (1991). A Comparison of Dazomet, Chloropicrin and Methyl Bromide as Soil Disinfectants for Strawberries. *J. Hortic. Sci.* 66: 51-58.

EcoReference No.: 77595

Chemical of Concern: CLP,DZM,MB; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (CLP,DZM,MB).

Hartsell, P. L., Vail, P. V., Tebbets, J. S., and Nelson, H. D. (1991). Methyl Bromide Quarantine Treatment for Codling Moth (Lepidoptera: Tortricidae) in Unshelled Walnuts. *J. Econ. Entomol.* 84: 1289-1293.

EcoReference No.: 153139

Chemical of Concern: MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB).

Hendrix, J. W., Jones, K. J., and Nesmith, W. C. (1992). Control of Pathogenic Mycorrhizal Fungi In Maintenance of Soil Productivity by Crop Rotation. *J. Prod. Agric.* 5: 383-386.

EcoReference No.: 153011

Chemical of Concern: MBCP; Habitat: T; Effect Codes: GRO,MOR,POP; Code: LITE EVAL CODED (MBCP).

Highland, H. A., Schoenherr, W. H., Winburn, T. F., and Lawson, D. E. (1979). Phosphine and Methyl Bromide Fumigation of Commodities in Woven Plastic or Paper Bags. *Cereal Food World* 24: 19-21.

EcoReference No.: 150637

Chemical of Concern: MB,PPHN,PYN; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB,PPHN).

Howe, R. W. and Hole, B. D. (1966). The Susceptibility of the Developmental Stages of Sitophilus granarius (L.) (Coleoptera, Curculionidae) to Methyl Bromide. *J. Stored Prod. Res.* 2: 13-26.

EcoReference No.: 153012

Chemical of Concern: MB; Habitat: T; Effect Codes: GRO,MOR; Code: LITE EVAL CODED (MB).

Hurrell, G. A., Bourdot, G. W., and Hunter, R. M. (1994). Effect of Three Soil Fumigants on the Viability of Buried Seeds of Chilean Needle Grass (Stipa neesiana). *Proc. N. Z. Plant Protect. Conf.* 47: 80-83.

EcoReference No.: 79817

Chemical of Concern: DZM,MB,MTAS; Habitat: T; Effect Codes: REP; Code: LITE EVAL CODED (DZM,MB,MTAS).

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Chemical of Concern: 13DPE,CH3I,CLP,DPDP,IDM,MB,MTAS; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (13DPE,CLP,DPDP,MB,MTAS), NO EFED CHEM (CH3I,IDM).

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Chemical of Concern: MB,PPHN; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB,PPHN).

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Chemical of Concern: 13DPE,DPDP,MBCP; Habitat: T; Effect Codes: GRO,PHY,POP; Code: LITE EVAL CODED (13DPE,DPDP,MBCP).

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Chemical of Concern: MB,MBCP; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (MB,MBCP).

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Chemical of Concern: CLP,MBCP; Habitat: T; Effect Codes: GRO,REP; Code: LITE EVAL CODED (CLP,MBCP).

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Chemical of Concern: ACY,CBND,CLP,EDB,ETO,HCNA,MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB), NO EFED CHEM (ACY,EDB), TARGET (CBND,CLP,ETO,HCNA).

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EcoReference No.: 77526

Chemical of Concern: CLP,DZM,MBCP,MTAS,PEB,TC17; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (CLP,DZM,MBCP), NO EFED CHEM (PEB), NO MIXTURE (PEB), OK (MTAS,TC17).

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Chemical of Concern: CBNDS,MB,MITC; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (CBNDS,MB,MITC).

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Chemical of Concern: CLP,DMDS,DZM,MBCP,MTAS,TC17; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (CLP,DZM,MBCP), OK (DMDS,MTAS,TC17).

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EcoReference No.: 153121

Chemical of Concern: MBCP; Habitat: T; Effect Codes: GRO,MOR,POP,REP; Code: LITE EVAL CODED (MBCP).

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Chemical of Concern: DZM,MB; Habitat: T; Effect Codes: BCM,GRO; Code: LITE EVAL CODED (DZM,MB).

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Chemical of Concern: MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB).

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Chemical of Concern: CBNDS,MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (CBNDS,MB).

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EcoReference No.: 153144

Chemical of Concern: CH3I,IDM,MB; Habitat: T; Effect Codes: POP,REP; Code: LITE EVAL CODED (MB), NO EFED CHEM (CH3I,IDM).

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EcoReference No.: 99385

Chemical of Concern: AV,CYR,FMP,MBCP; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (CYR,MBCP), NO EFED CHEM (AV), OK (FMP).

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EcoReference No.: 87042

Chemical of Concern: ADC,MB,MZB,Maneb,SFR,Zineb,Zn; Habitat: T; Effect Codes: GRO,POP,REP; Code: LITE EVAL CODED (ADC,MB,MZB,Maneb), NO EFED CHEM (Zineb), NO MIXTURE (SFR,Zn).

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Chemical of Concern: MBCP; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MBCP).

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Chemical of Concern: MB; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MB).

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EcoReference No.: 153021

Chemical of Concern: CBNDS,EDB,MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (CBNDS,EDB,MB), NO EFED CHEM (EDB).

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EcoReference No.: 150545

Chemical of Concern: 3CE,CBND0,CH3I,CTC,EDB,ETO,IDM,MB,PPHN; Habitat: T; Effect Codes: MOR,POP,REP; Code: LITE EVAL CODED (ETO,MB,PPHN), NO EFED CHEM (3CE,CH3I,CTC,EDB,IDM), NO TOXICANT (CBND0), TARGET (CBND0,ETO).

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EcoReference No.: 150776

Chemical of Concern: MB,PPHN; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB,PPHN).

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EcoReference No.: 153022

Chemical of Concern: CBND0,MB,PPHN; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB,PPHN), NO TOXICANT (CBND0), TARGET (CBND0).

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EcoReference No.: 150547

Chemical of Concern: CBND0,CH3I,EDB,IDM,MB,PPHN; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB,PPHN), NO EFED CHEM (CH3I,EDB,IDM), NO TOXICANT (CBND0), TARGET (CBND0).

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EcoReference No.: 150546

Chemical of Concern: CBNDO,EDB,ETO,LQN,MB,PPHN; Habitat: T; Effect Codes: MOR,REP; Code: LITE EVAL CODED (ETO,MB,PPHN), NO EFED CHEM (EDB), NO TOXICANT (CBNDO,LQN), TARGET (CBNDO,LQN).

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EcoReference No.: 79819

Chemical of Concern: DZM,MB,MTAS,TC17; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (DZM,MB), OK (MTAS,TC17).

Ritchie, S. A. (2001). Efficacy of Australian Quarantine Procedures Against the Mosquito *Aedes aegypti*. *J. Am. Mosq. Control Assoc.* 17: 114-117.

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Chemical of Concern: Halides,MB,NaCl,NaHCT,PMR; Habitat: AT; Effect Codes: MOR; Code: LITE EVAL CODED (Halides,MB,NaCl,NaHCT,PMR), NO EFED CHEM (NaHCT).

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Chemical of Concern: MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB).

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Chemical of Concern: MB; Habitat: T; Effect Codes: POP,REP; Code: LITE EVAL CODED (MB).

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Chemical of Concern: AIP,MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (AIP,MB).

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EcoReference No.: 53742

Chemical of Concern: ADC,CLP,MB,NTP; Habitat: T; Effect Codes: BCM,GRO,POP; Code: LITE EVAL CODED (MB), NO EFED CHEM (NTP), OK (ADC,CLP).

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EcoReference No.: 113700

Chemical of Concern: MB,MTAS; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (MB), OK (MTAS).

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EcoReference No.: 153113

Chemical of Concern: FDX,FUR,MBCP,MFX,OXF,RMLX,TPE; Habitat: T; Effect Codes: PHY,POP; Code: LITE EVAL CODED (FUR,MBCP), NO EFED CHEM (TPE), NO MIXTURE (FDX,MFX,OXF,RMLX,TPE).

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EcoReference No.: 88744

Chemical of Concern: CLP,FTZ,HSF,MBCP,MTAS,MTL,NPP,NaN3,PEB,PPO,TC17; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (MBCP), NO EFED CHEM (HSF,NPP,PEB), NO MIXTURE (CLP,FTZ,HSF,MTAS,MTL,NPP,PEB), OK (NaN3,PPO,TC17).

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EcoReference No.: 150353

Chemical of Concern: MBCP,MTAS,TC17; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED (MBCP,MTAS,TC17).

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EcoReference No.: 89213

Chemical of Concern: MBCP,MTAS,NaN3,TC17; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (MBCP), OK (MTAS,NaN3,TC17).

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Chemical of Concern: 13DPE,CLP,DPDP,MBCP,MTAS,TC17; Habitat: T; Effect Codes: GRO,MOR,POP; Code: LITE EVAL CODED (MBCP), OK (13DPE,CLP,DPDP,MTAS,TC17).

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EcoReference No.: 10516

Chemical of Concern: MB; Habitat: A; Effect Codes: CEL,MOR; Code: LITE EVAL CODED (MB).

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EcoReference No.: 153025

Chemical of Concern: ACY,CH3I,CTC,EDB,ETO,IDM,MB,PPHN; Habitat: T; Effect Codes: BCM,MOR; Code: LITE EVAL CODED (ACY,CH3I,CTC,EDB,ETO,IDM,MB,PPHN), NO EFED CHEM (ACY,CH3I,CTC,EDB,IDM).

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EcoReference No.: 153114

Chemical of Concern: 13DPE,DPDP,GYP,IXB,MB,OYZ,PDM,PQT,TC17; Habitat: T; Effect Codes: POP,REP; Code: LITE EVAL CODED (13DPE,DPDP,MB,TC17), NO ENDPOINT (GYP,IXB,OYZ,PDM,PQT).

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EcoReference No.: 79915

Chemical of Concern: BMY,CAP,CLP,Captan,DZM,FML,FSTAL,MB,MLX,MZB,NHN,PNB; Habitat: T; Effect Codes: GRO; Code: LITE EVAL CODED (CLP,Captan,DZM,FSTAL,MB), NO EFED CHEM (FML), OK (BMY,CAP,MLX,MZB,NHN,PNB).

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EcoReference No.: 150489

Chemical of Concern: CBNDO,HCNA,MB,PPHN; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB), NO CONC (PPHN), NO MIXTURE (CBNDO), TARGET (CBNDO,HCNA).

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EcoReference No.: 153223

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EcoReference No.: 153155

Chemical of Concern: GYP,MB,TC17; Habitat: T; Effect Codes: GRO,PHY; Code: LITE EVAL CODED (MB), OK (GYP,TC17).

Tanner, S. C., Reighard, G. L., and Wells, C. E. (2006). Soil Treatments Differentially Affect Peach Tree Root Development and Demography in a Replant Site. *Acta Hort. (Wagening.)* 713: 381-390.

EcoReference No.: 153254

Chemical of Concern: MB; Habitat: T; Effect Codes: GRO,PHY; Code: LITE EVAL CODED (MB).

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Chemical of Concern: MBCP,TC17; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (MBCP,TC17).

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EcoReference No.: 153232

Chemical of Concern: MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB).

Torres, H., Martin, C., and Henfling, J. (1985). Chemical Control of Pink Rot of Potato (*Phytophthora erythroseptica* Pethyb.). *Am. Potato J.* 62: 355-361.

EcoReference No.: 79892

Chemical of Concern: DDMITC,DZM,MBCP,MITC,MLX,NaN₃,PNB; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (MBCP), OK (DDMITC,DZM,MITC,MLX,NaN₃,PNB).

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EcoReference No.: 152747

Chemical of Concern: MB,SFF; Habitat: T; Effect Codes: MOR,POP; Code: LITE EVAL CODED (MB), TARGET (SFF).

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EcoReference No.: 153226

Chemical of Concern: MB,SFF; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB), TARGET (SFF).

Tyler, P. S., Taylor, R. W., and Rees, D. P. (1983). Insect Resistance to Phosphine Fumigation in Food Warehouses in Bangladesh. *Int. Pest Control* 25: 10-13,21.

EcoReference No.: 150601

Chemical of Concern: ALP,MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (ALP,MB).

Uhlig, R. E. (2006). Alternatives to Methyl Bromide for Weed Control in Perennial Ornamental Crops and Conifer Seedlings. *M.S. Thesis, Michigan State University, East Lansing, MI* 148 p. (UMI# 1434375)(Publ in part as ECOREF153050).

EcoReference No.: 153051

Chemical of Concern:

13DPE,BT,CH3I,CLP,CPR,DPDP,DZM,FMX,GYP,HSF,IAZ,IDM,IMQ,IXB,MBCP,MTAS,MTL,NaN₃,PPO,RIM,TC17,TFN,TRB; Habitat: T; Effect Codes: GRO,MOR,PHY,POP; Code: LITE EVAL CODED (MBCP), NO EFED CHEM (CH3I,CPR,HSF,IAZ,IDM,RIM), OK (13DPE,BT,CLP,DPDP,DZM,FMX,GYP,IMQ,IXB,MTAS,MTL,NaN₃,PPO,TC17,TFN,TRB).

Uhlig, R. E., Bird, G., Richardson, R. J., and Zandstra, B. H. (2007). Soil Fumigants to Replace Methyl Bromide for Weed Control in Ornamentals. *HortTechnology* 17: 111-114 (Publ. in part as ECOREF 153050).

EcoReference No.: 153050

Chemical of Concern: 13DPE,CH3I,DPDP,DZM,IDM,MBCP,MTAS,TC17; Habitat: T; Effect Codes: GRO,PHY,POP; Code: LITE EVAL CODED (MBCP), NO EFED CHEM (CH3I,IDM), OK (13DPE,DPDP,DZM,MTAS,TC17).

Van Schoor, L., Denman, S., and Cook, N. C. (2009). Characterisation of Apple Replant Disease under South African Conditions and Potential Biological Management Strategies. *Sci. Hortic.* 119: 153-162.

EcoReference No.: 150513

Chemical of Concern: CLP,MB,MTAS; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL

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EcoReference No.: 153239

Chemical of Concern: MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB).

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EcoReference No.: 150494

Chemical of Concern: MB,PPHN; Habitat: T; Effect Codes: GRO,MOR; Code: LITE EVAL CODED (MB,PPHN).

Waddell, B. C. and Petry, R. J. (1996). Mortality Response of Codling Moth to Methyl Bromide Fumigation and Coolstorage. *NZPPS Paper, Internet Proceedings* 7 p.

EcoReference No.: 55293

Chemical of Concern: MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB).

Waggoner, M., Ohr, H. D., Adams, C., Sims, J. J., and Gonzalez, D. (2000). Methyl Iodide: An Alternative to Methyl Bromide for Insectary Fumigation. *J. Appl. Entomol.* 124: 113-117.

EcoReference No.: 153075

Chemical of Concern: CH3I,IDM,MB; Habitat: T; Effect Codes: MOR,PHY; Code: LITE EVAL CODED (CH3I,IDM,MB), NO EFED CHEM (CH3I,IDM).

Wang, Q., Klassen, W., Evans, E. A., Li, Y., and Codallo, M. (2010). Combination of Organic and Plastic Mulches to Improve the Yield and Quality of Winter Fresh Market Bell Peppers (*Capsicum annuum* L.). *Hortscience* 45: 701-706.

EcoReference No.: 153241

Chemical of Concern: MBCP,MTC,NPP; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (MBCP,MTC,NPP), NO EFED CHEM (NPP), NO MIXTURE (MTC,NPP).

Webster, T. M., Csinos, A. S., Johnson, A. W., Dowler, C. C., Sumner, D. R., and Fery, R. L. (2001). Methyl Bromide Alternatives in a Bell Pepper-Squash Rotation. *Crop Prot.* 20: 605-614.

EcoReference No.: 77510

Chemical of Concern: 13DPE,CH3I,CLP,DPDP,FMP,IDM,MB; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED (MB), NO EFED CHEM (CH3I,IDM), NO MIXTURE (CLP,FMP), OK (13DPE,DPDP).

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EcoReference No.: 153048

Chemical of Concern: MB; Habitat: T; Effect Codes: ACC,GRO,PHY; Code: LITE EVAL CODED (MB).

Wilson, N. H., Newton, P. E., Rahn, M., Bolte, H. F., and Suber, R. L. (1998). Methyl Bromide 1-Year Dietary Study in Dogs. *Food Chem. Toxicol.* 38: 115-124.

EcoReference No.: 153146

Chemical of Concern: MB; Habitat: T; Effect Codes: BCM,BEH,CEL,GRO,MOR; Code: LITE

EVAL CODED (MB).

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EcoReference No.: 58565

Chemical of Concern: MB; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED (MB).

Zhang, W. M., McGiffen, M. E. Jr., Becker, J. O., Ohr, H. D., Sims, J. J., and Kallenbach, R. L. (1997). Dose Response of Weeds to Methyl Iodide and Methyl Bromide. *Weed Res.* 37: 181-189.

EcoReference No.: 64203

Chemical of Concern: CH3I,IDM,MB; Habitat: T; Effect Codes: POP,REP; Code: LITE EVAL CODED (MB), NO EFED CHEM (CH3I,IDM).