

APPENDIX F-2: BIBLIOGRAPHY OF EVALUATED ECOTOX OPEN LITERATURE DATA

Acceptable for ECOTOX and OPP

Beam, H. W., Curl, E. A., and Rodriguez-Kabana, R. (1977). Effects of the Herbicides Fluometuron and Prometryn of *Rhizoctonia solani* in Soil Cultures. *Can.J.Microbiol.* 23: 617-623.

EcoReference No.: 104667

Chemical of Concern: PMT,FMU; Habitat: T; Effect Codes: BCM; [Not used in risk assessment]

Brown, L. S. and Lean, D. R. S. (1995). Toxicity of Selected Pesticides to Lake Phytoplankton Measured Using Photosynthetic Inhibition Compared to Maximal Uptake Rates of Phosphate and Ammonium. *Environ.Toxicol.Chem.* 14: 93-98.

EcoReference No.: 13724

Chemical of Concern: 24DXY,ATZ,DBN,DU,PMT,SZ,TFN,PPZ,Captan,DCPA,PPN; Habitat: A; Effect Codes: BCM; [Endpoint not more sensitive than registrant-submitted study endpoints]

Drost, W., Backhaus, T., Vassilakaki, M., and Grimme, L. H. (2003). Mixture Toxicity of s-Triazines to *Lemna minor* Under Conditions of Simultaneous and Sequential Exposure. *Fresenius Environ.Bull.* 12: 601-607.

EcoReference No.: 81431

Chemical of Concern: PMT,AMTR,ATZ,PRO; Habitat: A; Effect Codes: GRO [Endpoint not more sensitive than registrant-submitted study endpoints]

El-Abyad, M. S., Attaby, H., and Abu-Aisha, K. M. (1988). Effect of the Herbicide Prometryn on Metabolic Activities of Two *Fusarium* Wilt Fungi. *Trans.Br.Mycol.Soc.* 90: 351-358.

EcoReference No.: 104611

Chemical of Concern: PMT; Habitat: T; Effect Codes: PHY,GRO [Not used in risk assessment]

Faust, M., Altenburger, R., Backhaus, T., Blanck, H., Boedeker, W., Gramatica, P., Hamer, V., Scholze, M., Vighi, M., and Grimme, L. H. (2001). Predicting the Joint Algal Toxicity of Multi-Component s-Triazine Mixtures at Low-Effect Concentrations of Individual Toxicants. *Aquat.Toxicol.* 56: 13-32.

EcoReference No.: 62304

Chemical of Concern: TBZ,SZ,PPZ,AMTR,PMT,CZE,ATZ,PRO; Habitat: A; Effect Codes: POP [The single-active-ingredient-based endpoint is not more sensitive than registrant-submitted study endpoints; the mixture component is based on modeling not laboratory results]

Gaggi, C., Sbrilli, G., El Naby, A. M. H., Bucci, M., Duccini, M., and Bacci, E. (1995). Toxicity and Hazard Ranking of s-Triazine Herbicides Using Microtox, Two Green Algal Species and a Marine Crustacean. *Environ.Toxicol.Chem.* 14: 1065-1069.

EcoReference No.: 15077

Chemical of Concern: ATZ,PMT,AMTR; Habitat: A; Effect Codes: POP,PHY [Endpoint not more sensitive than registrant-submitted study endpoints]

Grossmann, K., Berghaus, R., and Retzlaff, G. (1992). Heterotrophic Plant Cell Suspension Cultures for Monitoring Biological Activity in Agrochemical Research. Comparison with Screens Using Algae, Germinating Seeds and Whole Plants. *Pestic.Sci.* 35: 283-289.

EcoReference No.: 78497

Chemical of Concern:

PDM,ASM,CPP,PHMD,GFSNH,ACFNa,AZT,PMT,MBZ,BT,DU,PPN,PAQT,PHMD,MCPA,24D,ACR,SXD,DFPM,DBN,GYP,IZT,IMQ,CSF,UREA,NP; Habitat: AT; Effect Codes: GRO,POP [Endpoint not more sensitive than registrant-submitted study endpoints]

Hawxby, K., Tubea, B., Ownby, J., and Basler, E. (1977). Effects of Various Classes of Herbicides on Four Species of Algae. *Pestic.Biochem.Physiol.* 7: 203-209.

EcoReference No.: 7485

Chemical of Concern: 24DXY,ACR,PMT; Habitat: A; Effect Codes: GRO [Endpoint not more sensitive than registrant-submitted study endpoints]

Isakeit, T. and Lockwood, J. L. (1989). Lethal Effect of Atrazine and Other Triazine Herbicides on Ungerminated Conidia of *Cochliobolus sativus* in Soil. *Soil Biol.Biochem.* 21: 809-817.

EcoReference No.: 70027

Chemical of Concern: PMT,PRO,CZE,AMTR,PPZ,SZ,ATZ,MBZ,HXZ; Habitat: T; Effect Codes: POP,REP [Not used in risk assessment]

Jordan, M., Rzehak, K., and Maryanska, A. (1977). The Effect of Two Pesticides, Miedzian 50 and Gesagard 50, on the Development of Tadpoles of *Rana temporaria*. *Bull.EnvIRON.Contam.Toxicol.* 17: 349-354.

EcoReference No.: 5392

Chemical of Concern: PMT; Habitat: A; Effect Codes: MOR,GRO,CEL [Study not valid; endpoints not calculated; percent active ingredient unknown; number of organisms used per treatment unknown]

Komala, Z. (1975). The Effect of Some Pesticides on *Paramecium aurelia*. *Folia Biol.(Krakow)* 23: 231-243.

EcoReference No.: 7969

Chemical of Concern: PMT,Cu,Cd; Habitat: A; Effect Codes: MOR [Not used in risk assessment]

Kozlowski, T. T. and Torrie, J. H. (1965). Effect of Soil Incorporation of Herbicides on Seed Germination and Growth of Pine Seedlings. *Soil Sci.* 100: 139-146.

EcoReference No.: 41006

Chemical of Concern: SZ,EPTC,DCPA,PPZ,ATZ,PMT; Habitat: T; Effect Codes: POP,GRO,REP [Study used qualitatively in risk assessment]

Liebig, M., Schmidt, G., Bontje, D., Kooi, B. W., Streck, G., Traunsburger, W., and Knacker, T. (2008). Direct and Indirect Effects of Pollutants on Algae and Algalivorous Ciliates in an Aquatic Indoor Microcosm. *Aquat.Toxicol.* 88: 102-110.

EcoReference No.: 105114

Chemical of Concern: MP,PMT; Habitat: A; Effect Codes: POP [Not used in risk assessment]

Liu, L. C. and Cendeno-Maldonado, A. (1974). Effects of Fluometuron, Prometryne, Ametryne, and Diuron on Growth of Two *Lemna* Species. *J.Agric.Univ.P.R.* 63: 483-488.

EcoReference No.: 8628

Chemical of Concern: DU,PMT; Habitat: A; Effect Codes: POP [Endpoint not more sensitive than registrant-submitted study endpoints]

Ma, J. (2002). Differential Sensitivity to 30 Herbicides Among Populations of Two Green Algae *Scenedesmus obliquus* and *Chlorella pyrenoidosa*. *Bull.EnvIRON.Contam.Toxicol.* 68: 275-281.

EcoReference No.: 65945

Chemical of Concern:

- DFP,QZF,FNP,HFP,FZF,NSF,TN,EMSF,BP,ANL,PDM,BTC,MLT,AMTR,PMT,DU,PAQT,FXP,QNC,ATZ,SZ,MCPA,GYP,OXF,QZFE; Habitat: A; Effect Codes: POP [Endpoint not more sensitive than registrant-submitted study endpoints]
- Ma, J., Liang, W., Xu, L., Wang, S., Wei, Y., and Lu, J. (2001). Acute Toxicity of 33 Herbicides to the Green Alga *Chlorella pyrenoidosa*. *Bull.Environ.Contam.Toxicol.* 66: 536-541.
- EcoReference No.: 61983
Chemical of Concern:
DFP,FZF,QZF,HFP,FNP,MLT,BP,TN,EMSF,NSF,BTC,PAQT,AMTR,DU,ANL,MCPA,FXP,QNC,OXF,GYP,SZ,ATZ,PDM,PMT; Habitat: A; Effect Codes: POP [Endpoint not more sensitive than registrant-submitted study endpoints]
- Ma, J., Lin, F., Wang, S., and Xu, L. (2003). Toxicity of 21 Herbicides to the Green Alga *Scenedesmus quadricauda*. *Bull.Environ.Contam.Toxicol.* 71: 594-601.
- EcoReference No.: 71458
Chemical of Concern:
GFS,CZE,AMTR,ACO,BTC,MTL,DU,BMN,GYP,PAQT,QNC,ATZ,SZ,FXP,MCPA,PMT; Habitat: A; Effect Codes: POP [Endpoint not more sensitive than registrant-submitted study endpoints]
- Ma, J., Xu, L., Wang, S., Zheng, R., Jin, S., Huang, S., and Huang, Y. (2002). Toxicity of 40 Herbicides to the Green Alga *Chlorella vulgaris*. *Ecotoxicol.Environ.Saf.* 51: 128-132.
- EcoReference No.: 65938
Chemical of Concern:
DFP,QZF,HFP,FNP,FZF,CLT,NSF,TN,EMSF,BSFM,CRME,FTS,BP,ANL,TFN,PDM,BTC,MTL,MLT,ACO,ATZ,SZ,CZE,DU,PAQT,BMN,FXP,QNC,OXF,GYP,GFSNH,PMT; Habitat: A; Effect Codes: POP [Endpoint not more sensitive than registrant-submitted study endpoints]
- Murty, K. V., Raju, D. S. S., and Sharma, C. B. S. R. (1983). Cytogenetic Hazards from Agricultural Chemicals. 7. Herbicides, Fungicides and Insecticides Screened for Effects on Chiasmata in *Hordeum vulgare*. *Biol.Zentralbl.* 102: 571-576.
- EcoReference No.: 41005
Chemical of Concern:
CBX,CAP,TMP,MZB,ATZ,SZ,PMT,BMC,FNT,MP,DDVP,TCF,NaN₃,TBA,OXC,Zineb,TRB,PPHD; Habitat: T; Effect Codes: CEL [Endpoint not more sensitive than registrant-submitted study endpoints]
- Osman, A. R. and El-Khadem, M. M. (1989). Inhibition of *Fusarium oxysporum* F. sp. *vasinfectum* Spores by Preemergence Herbicides. *Acta Hort.* 255: 77-86.
- EcoReference No.: 106174
Chemical of Concern: TFN,DU,PMT,FMU; Habitat: T; Effect Codes: MOR,POP [Not used in risk assessment]
- Park, E. K. and Lees, E. M. (2005). Application of an Artificial Sea Salt Solution to Determine Acute Toxicity of Herbicides to *Proisotoma minuta* (Collembola). *J.Environ.Sci.Health Part B* 40: 595-604.
- EcoReference No.: 81754
Chemical of Concern: TFN,PDM,MTL,SZ,PMT,PAQT,FMU,DU,ATZ; Habitat: A; Effect Codes: MOR [Study not valid; no raw mortality data or concentrations tested were provided]
- Schmitt-Jansen, M. and Altenburger, R. (2005). Predicting and Observing Responses of Algal Communities to Photosystem II-Herbicide Exposure Using Pollution-Induced Community Tolerance and Species-Sensitivity Distributions. *Environ.Toxicol.Chem.* 24: 304-312.

EcoReference No.: 80430

Chemical of Concern: ATZ,PMT; Habitat: A; Effect Codes: ACC,POP,PHY [Endpoint not more sensitive than registrant-submitted study endpoints]

Stevens, J. T., Breckenridge, C. B., Wetzell, L. T., Gillis, J. H., Luempert III, L. G., and Eldridge, J. C. (1994). Hypothesis for Mammary Tumorigenesis in Sprague-Dawley Rats Exposed to Certain Triazine Herbicides. *J.Toxicol.Environ.Health* 43: 139-153.

EcoReference No.: 69611

Chemical of Concern: PPZ,PMT,PRO,AMTR,SZ,ATZ; Habitat: T; Effect Codes: CEL,BCM [Study results did not alter conclusions based on guideline rat studies on tumorigenicity and carcinogenicity]

Tezak, Z., Simic, B., and Kniewald, J. (1992). Effect of Pesticides on Oestradiol-Receptor Complex Formation in Rat Uterus Cytosol. *Food Chem.Toxicol.* 30: 879-885.

EcoReference No.: 105506

Chemical of Concern: PMT,ATZ; Habitat: T; Effect Codes: BCM [Endpoint not more sensitive than registrant-submitted study endpoints]

Tu, J. C. and Hamill, A. S. (1986). Differential Effect of Two Groups of Herbicides, Dinitroaniline and Phenoxy, on Pea Root Rot. *Proc.Br.Crop Prot.Conf.- Pests and Diseases* 3: 1049-1053.

EcoReference No.: 77521

Chemical of Concern: MCPB,MCPA,TFN,PDM,OYZ,PMT,CN; Habitat: T; Effect Codes: PHY [Not used in risk assessment]