



**Appendix E:  
Bibliography of ECOTOX Open Literature  
Not Evaluated and Papers  
Not Accepted by ECOTOX**

**August 29, 2007**

## Appendix E: Bibliography of ECOTOX Open Literature Not Evaluated and Papers Not Accepted by ECOTOX

ATRAZINE IRED 2003  
Papers that Were Accepted ECOTOX

### Acceptable for ECOTOX and OPP

- Belden, J. B. and Lydy, M. J. (2000). Impact of Atrazine on Organophosphate Insecticide Toxicity. *Environ.Toxicol.Chem.* 19: 2266-2274.  
EcoReference No.: 56553  
Chemical of Concern: ATZ,CPY,MLN,MP,DZ; Habitat: A; Effect Codes: ACC,BEH,BCM; Rejection: **Less sensitive endpoint.**
- EG&G Bionomics (1973). Acute Toxicity of Atrazine to Mud Crab (*Neopanope texana*). *Bioassay Rep.Submitted to CIBA-Giegy Chemical Corp., Greensboro, NC* 1-9.  
EcoReference No.: 61020  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: MOR; Rejection Code: **Less sensitive endpoint.**
- El Jay, A. (1996). Effects of Organic Solvents and Solvent-Atrazine Interactions on Two Algae, *Chlorella vulgaris* and *Selenastrum capricornutum*. *Arch.Environ.Contam.Toxicol.* 31: 84-90.  
EcoReference No.: 17086  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM,POP; Rejection Code: **Less sensitive endpoint.**
- Fairchild, J. F., Ruessler, D. S., and Carlson, A. R. (1998). Comparative Sensitivity of Five Species of Macrophytes and Six Species of Algae to Atrazine, Metribuzin, Alachlor, and Metolachlor. *Environ.Toxicol.Chem.* 17: 1830-1834.  
EcoReference No.: 19461  
Chemical of Concern: ACR,ATZ,MBZ,MTL,DMM; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Forget, J., Pavillon, J. F., Menasria, M. R., and Bocquene, G. (1998). Mortality and LC50 Values for Several Stages of the Marine Copepod *Tigriopus brevicornis* (Muller) Exposed to the Metals Arsenic and Cadmium and the. *Ecotoxicol.Environ.Saf.* 40: 239-244.  
EcoReference No.: 19281  
Chemical of Concern: ATZ,CBF,MLN,DOVP,As,Cd,AZ; Habitat: A; Effect Codes: MOR; Rejection Code: **Less sensitive endpoint.**
- 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; Rejection Code: **Less sensitive endpoint.**
- Guasch, H., Ivorra, N., Lehmann, V., Paulsson, M., Real, M., and Sabater, S. (1998). Community Composition and Sensitivity of Periphyton to Atrazine in Flowing Waters: The Role of Environmental Factors. *J.Appl.Phycol.* 10: 203-213.  
EcoReference No.: 70206  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP,ACC; Rejection Code: **Less sensitive endpoint.**
- Guasch, H., Munoz, I., Roses, N., and Sabater, S. (1997). Changes in Atrazine Toxicity Throughout Succession of

Stream Periphyton Communities. *J.Appl.Phycol.* 9: 137-146.

EcoReference No.: 20359

Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM, POP; Rejection Code: **Less sensitive endpoint.**

Kotrikla, A., Lekkas, T., and Bletsa, G. (1997). Toxicity of the Herbicide Atrazine, Two of Its Degradation Products and the Herbicide Metolachlor in Photosynthetic Microorganisms. *Fresenius Environ.Bull.* 6: 502-507.

EcoReference No.: 20116

Chemical of Concern: ATZ, MTL,DEATZ,DIATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**

Marchini, S., Passerini, L., Cesareo, D., and Tosato, M. L. (1988). Herbicidal Triazines: Acute Toxicity on Daphnia, Fish, and Plants and Analysis of its Relationships with Structural Factors. *Ecotoxicol.EnvIRON.Saf.* 16: 148-157.

EcoReference No.: 13154

Chemical of Concern: ATZ,PMT,PPZ,SZ,AMTR,CZE; Habitat: A; Effect Codes: PHY; Rejection Code: **Less sensitive endpoint.**

Tang, J. X., Hoagland, K. D., and Siegfried, B. D. (1997). Differential Toxicity of Atrazine to Selected Freshwater Algae . *Bull.EnvIRON.Contam.Toxicol.* 59: 631-637 .

EcoReference No.: 18457

Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**

#### **Atrazine IRED (2003): Acceptable for ECOTOX but not OPP**

Alazemi, B. M., Lewis, J. W., and Andrews, E. B. (1996). Gill Damage in the Freshwater Fish *Gnathonemus petersii* (Family: Mormyridae) Exposed to Selected Pollutants: An Ultrastructural Study. *Environ.Technol.* 17: 225-238.

EcoReference No.: 19563

Chemical of Concern: ATZ,CuS,CN,Cr,Cd; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT(ALL CHEMS).

Atkins, E. L., Greywood, E. A., and Macdonald, R. L. (1975). Toxicity of Pesticides and Other Agricultural Chemicals to Honey Bees. *Leaflet 2287, Division of Agricultural Sciences, University of California, Davis, CA* 36.

EcoReference No.: 40218

Chemical of Concern: ATZ; Habitat: T; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).

Baird, D. J., Barber, I., Soares, A. M. V. M., and Calow, P. (1991). An Early Life-Stage Test with *Daphnia magna* Straus: An Alternative to the 21-Day Chronic Test? *Ecotoxicol.EnvIRON.Saf.* 22: 1-7.

EcoReference No.: 3949

Chemical of Concern: NaBr; Habitat: A; Effect Codes: REP; Rejection Code: LITE EVAL CODED(NaBr),NO COC(ATZ).

Bester, K., Huhnerfuss, H., Brockmann, U., and Rick, H. J. (1995). Biological Effects of Triazine Herbicide Contamination on Marine Phytoplankton. *Arch.EnvIRON.Contam.Toxicol.* 29: 277-283.

EcoReference No.: 14926

Chemical of Concern: ATZ; Habitat: A; Effect Codes: PHY,BCM; Rejection Code: NO ENDPOINT(ATZ).

Beynon, K. I., Stoydin, G., and Wright, A. N. (1972). A Comparison of the Breakdown of the Triazine Herbicides Cyanazine, Atrazine and Simazine in Soils and in Maize. *Pestic.Biochem.Physiol.* 2: 153-161.

EcoReference No.: 70863

Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: ACC; Rejection Code: TARGET(SZ,ATZ).

- Brockway, D. L., Smith, P. D., and Stancil, F. E. (1984). Fate and Effects of Atrazine in Small Aquatic Microcosms. *Bull. Environ. Contam. Toxicol.* 32: 345-353.  
EcoReference No.: 11290  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: SYS; Rejection Code: NO ENDPOINT(ATZ).
- Burken, J. G. and Schnoor, J. L. (1997). Uptake and Metabolism of Atrazine by Poplar Trees. *Environ.Sci.Technol.* 31: 1399-1406.  
EcoReference No.: 63404  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: ACC; Rejection Code: TARGET(ATZ).
- Butler, G. L., Deason, T. R., and O'Kelley, J. C. (1975). The Effect of Atrazine, 2,4-D, Methoxychlor, Carbaryl and Diazinon on the Growth of Planktonic Algae. *Br. Phycol. J.* 10: 371-376.  
EcoReference No.: 7429  
Chemical of Concern: 24DXY,ATZ,CBL,DZ; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).
- Carney, C. E. (1983). The Effects of Atrazine and Grass Carp on Freshwater Macrophyte Communities. *M.A.Thesis, University of Kansas, Lawrence, KS* 33 p.  
EcoReference No.: 12404  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,POP; Rejection Code: NO ENDPOINT(ALL CHEMS).
- Cohn, S. L. (1985). An Evaluation of the Toxicity and Sublethal Effects of Atrazine on the Physiology and Growth Phases of the Aquatic Macrophyte *Vallisneria americana* L. *Diss.Abstr.Int.B Sci.Eng.46(4):1042 / Ph.D.Thesis, The American University, Washington, D.C.* 142 p.  
EcoReference No.: 9962  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,POP,MOR,REP; Rejection Code: NO ABSTRACT(ATZ).
- Douglas, W. S., McIntosh, A., and Clausen, J. C. (1993). Toxicity of Sediments Containing Atrazine and Carbofuran to Larvae of the Midge *Chironomus tentans*. *Environ.Toxicol.Chem.* 12: 847-853 (OECDG Data File).  
EcoReference No.: 7284  
Chemical of Concern: ATZ,CBF; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CBF),NO ENDPOINT(ATZ).
- El-Sheekh, M. M., Kotkat, H. M., and Hammouda, O. H. E. (1994). Effect of Atrazine Herbicide on Growth, Photosynthesis, Protein Synthesis, and Fatty Acid Composition in the Unicellular Green Alga *Chlorella kessleri*. *Ecotoxicol.Environ.Saf.* 29: 349-358.  
EcoReference No.: 13751  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP,BCM,PHY; Rejection Code: NO ENDPOINT(ATZ).
- Farooqui, M. A., Rao, A. V., Jayasree, T., and Sadanandam, A. (1997). Induction of Atrazine Resistance and Somatic Embryogenesis in *Solanum melongena*. *Theor.Appl.Genet.* 95: 702-705.  
EcoReference No.: 72789  
Chemical of Concern: ATZ; Habitat: T; Rejection Code: TARGET(ATZ).
- Fischer-Scherl, T., Veese, A., Hoffmann, R. W., Kuhnhauser, C., Negele, R. D., and Ewringmann, T. (1991). Morphological Effects of Acute and Chronic Atrazine Exposure in Rainbow Trout (*Oncorhynchus mykiss*). *Arch.Environ.Contam.Toxicol.* 20: 454-461 .  
EcoReference No.: 146  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT(ATZ).
- Gimenez-Espinosa, R., Romera, E., Tena, M., and De Prado, R. (1996). Fate of Atrazine in Treated and Pristine Accessions of Three *Setaria* Species. *Pestic.Biochem.Physiol.* 56: 196-207.  
EcoReference No.: 78695

- Chemical of Concern: PPZ,MBZ,PMT,AMTR,SZ,ATZ; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(PPZ),OK(ALL CHEMS),OK TARGET(ATZ).
- Gonzalez-Murua, C., Munoz-Rueda, A., Hernando, F., and Sanchez-Diaz, M. (1985). Effect of Atrazine and Methabenzthiazuron on Oxygen Evolution and Cell Growth of *Chlorella pyrenoidosa*. *Weed Res.* 25: 61-66.  
EcoReference No.: 10675  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP,BCM; Rejection Code: NO ENDPOINT(ALL CHEMS).
- Gough, B. J. and Shellenberger, T. E. (1972). In Vivo Inhibition of Rabbit Whole Blood Cholinesterase with Organophosphate Inhibitors and Reactivation with Oximes. *Drug Chem.Toxicol.* 1: 25-43.  
EcoReference No.: 81777  
Chemical of Concern: ATZ,DCTP,DDVP; Habitat: AT; Effect Codes: BCM; Rejection Code: NO ENDPOINT(ALL CHEMS).
- Grande, M., Andersen, S., and Berge, D. (1994). Effects of Pesticides on Fish. Experimental and Field Studies. *Norw.J.Agric.Sci. Suppl.*13: 195-209.  
EcoReference No.: 62367  
Chemical of Concern: PCZ,SZ,DPP,CSF,ES,ATZ,DZ,DMT,GYP; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(DMT,PCZ),OK(DMT,CSF,PCZ),NO CONTROL(SZ,ES,GYP,MCPA,DPP,ATZ).
- Grenier, G., Proteau, L., Marier, J. P., and Beaumont, G. (1987). Effects of a Sublethal Concentration of Atrazine on the Chlorophyll and Lipid Composition of Chlorophyll-Protein Complexes of *Lemna minor*. *Plant Physiol.Biochem.* 24: 409-413.  
EcoReference No.: 4176  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM; Rejection Code: NO ENDPOINT(ATZ).
- Hall, J. K., Pawlus, M., and Higgins, E. R. (1972). Losses of Atrazine in Runoff Water and Soil Sediment. *J.Environ.Qual.* 1: 172-176.  
EcoReference No.: 69624  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: INJ; Rejection Code: TARGET(ATZ).
- Hamilton, P. B., Jackson, G. S., Kaushik, N. K., and Solomon, K. R. (1987). The Impact of Atrazine on Lake Periphyton Communities, Including Carbon Uptake Dynamics using Track Autoradiography. *Environ.Pollut.* 46: 83-103.  
EcoReference No.: 12619  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP,PHY,PRS; Rejection Code: NO ENDPOINT(ATZ).
- Hannan, P. J. (1995). A Novel Detection Scheme for Herbicidal Residues. *Environ.Toxicol.Chem.* 14: 775-780.  
EcoReference No.: 69628  
Chemical of Concern: ATZ,PPZ,THF,CRME,TNM,AMTR,CZE; Habitat: AT; Effect Codes: PHY; Rejection Code: NO ENDPOINT(ALL CHEMS).
- Herman, D., Kaushik, N. K., and Solomon, K. R. (1986). Impact of Atrazine on Periphyton in Freshwater Enclosures and Some Ecological Consequences. *Can.J.Fish.Aquat.Sci.* 43(10): 1917-1925.  
EcoReference No.: 11959  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ATZ).
- Hoagland, K. D., Drenner, R. W., Smith, J. D., and Cross, D. R. (1993). Freshwater Community Responses to Mixtures of Agricultural Pesticides: Effects of Atrazine and Bifenthrin. *Environ.Toxicol.Chem.* 12: 627-637 (OECDG Data File).  
EcoReference No.: 6359  
Chemical of Concern: ATZ,BFT; Habitat: A; Effect Codes: BCM,POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

- Hofmann, A. and Winkler, S. (1990). Effects of Atrazine in Environmentally Relevant Concentrations on Submersed Macrophytes. *Arch.Hydrobiol.* 118: 69-79.  
EcoReference No.: 7313  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: PHY; Rejection Code: NO ENDPOINT(ATZ).
- Isensee, A. R. (1976). Variability of Aquatic Model Ecosystem-Derived Data. *Int.J. Environ. Stud.* 10: 35-41.  
EcoReference No.: 682  
Chemical of Concern: EDT,ATZ,DU,CBZ; Habitat: A; Effect Codes: ACC; Rejection Code: NO CONTROL(ALL CHEMS).
- Jones, T. W. and Estes, P. S. (1984). Uptake and Phytotoxicity of Soil-Sorbed Atrazine for the Submerged Aquatic Plant, *Potamogeton perfoliatus* L. *Arch. Environ. Contam. Toxicol.* 13: 237-241.  
EcoReference No.: 10154  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: ACC,PHY; Rejection Code: NO ENDPOINT(ATZ).
- Juttner, I., Peither, A., Lay, J. P., Kettrup, A., and Ormerod, S. J. (1995). An Outdoor Mesocosm Study to Assess Ecotoxicological Effects of Atrazine on a Natural Plankton Community. *Arch. Environ. Contam. Toxicol.* 29: 435-441.  
EcoReference No.: 16127  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ATZ).
- Kaushik, N. K., Solomon, K. R., Stephenson, G., and Day, K. (1985). Assessment of Sublethal Effects of Atrazine on Zooplankton. In: P.G.Wells and R.F.Addison (Eds.), *Proc.10th Ann.Aquat.Toxic. Workshop, Nov.7-10, 1983, Halifax, Nova Scotia, Can.Tech.Rep.Fish.Aquat.Sci.No.1368* 377-379.  
EcoReference No.: 12888  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: REP; Rejection Code: NO ENDPOINT(ATZ).
- Khan, S. U. and Marriage, P. B. (1977). Residues of Atrazine and Its Metabolites in an Orchard Soil and Their Uptake by Oat Plants. *J.Agric.Food Chem.* 25: 1408-1413.  
EcoReference No.: 70997  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,ACC; Rejection Code: TARGET(ATZ).
- Klaassen, H. E. and Kadoum, A. M. (1979). Distribution and Retention of Atrazine and Carbofuran in Farm Pond Ecosystems. *Arch. Environ. Contam. Toxicol.* 8: 345-353.  
EcoReference No.: 564  
Chemical of Concern: CBF,ATZ; Habitat: A; Effect Codes: ACC; Rejection Code: NO ENDPOINT(ALL CHEMS).
- Lakshminarayana, J. S. S., O'Neill, H. J., Jonnavithula, S. D., Leger, D. A., and Milburn, P. H. (1992). Impact of Atrazine-Bearing Agricultural Tile Drainage Discharge on Planktonic Drift of a Natural Stream. *Environ.Pollut.* 76: 201-210.  
EcoReference No.: 12746  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ATZ).
- Marrs, R. H., Williams, C. T., Frost, A. J., and Plant, R. A. (1989). Assessment of the Effects of Herbicide Spray Drift on a Range of Plant Species of Conservation Interest. *Environ.Pollut.* 59: 71-86.  
EcoReference No.: 81776  
Chemical of Concern: MCPA,GYP,MTSM,CSF,ASM,MCPP; Habitat: T; Effect Codes: GRO,MOR; Rejection Code: NO CONTROL(ALL CHEMS),NO COC(ATZ).
- Mathew, R., Nelson, S., and Khan, S. U. (1996). Transformation Products Distribution of Atrazine in Corn Plants Treated with Radiolabelled Herbicide. *Chemosphere* 33: 2395-2402.  
EcoReference No.: 51975  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: ACC; Rejection Code: TARGET(ATZ).

- Mayasich, J. M., Karlander, E. P., and Terlizzi, D. E. Jr. (1987). Growth Responses of *Nannochloris oculata* Droop and *Phaeodactylum tricornutum* Bohlin to the Herbicide Atrazine as Influenced by Light Intensity and Temperature in Unialgal and Bialgal Assemblage. *Aquat.Toxicol.* 10: 187-197.  
EcoReference No.: 12580  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ATZ).
- Neugebauer, K., Zieris, F. J., and Huber, W. (1990). Ecological Effects of Atrazine on Two Outdoor Artificial Freshwater Ecosystems. *Z.Wasser- Abwasser- Forsch.* 23: 11-17.  
EcoReference No.: 65532  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).
- Raveton, M., Ravanel, P., Serre, A. M., Nurit, F., and Tissut, M. (1997). Kinetics of Uptake and Metabolism of Atrazine in Model Plant Systems. *Pestic.Sci.* 49: 157-163.  
EcoReference No.: 64405  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: ACC; Rejection Code: TARGET(ATZ).
- Roberts, S., Vasseur, P., and Dive, D. (1990). Combined Effects Between Atrazine, Copper and pH, on Target and Non Target Species. *Water Res.* 24: 485-491.  
EcoReference No.: 3139  
Chemical of Concern: ATZ,CuS; Habitat: A; Effect Codes: POP; Rejection Code: NO CONTROL(ALL CHEMS).
- Schober, U. and Lampert, W. (1977). Effects of Sublethal Concentrations of the Herbicide Atrazin on Growth and Reproduction of *Daphnia pulex*. *Bull.EnvIRON.Contam.Toxicol.* 17: 269-277 (OECDG Data File).  
EcoReference No.: 7553  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: REP,MOR; Rejection Code: NO ENDPOINT(ATZ).
- Trapp, S., Matthies, M., Scheunert, I., and Topp, E. M. (1990). Modeling the Bioconcentration of Organic Chemicals in Plants. *Environ.Sci.Technol.* 24: 1246-1252.  
EcoReference No.: 80266  
Chemical of Concern: ATZ,DLD,DDT,HCB,PCB; Habitat: T; Effect Codes: BCM,CEL,PHY; Rejection Code: OK TARGET(ATZ).
- Walker, C. R. (1964). Simazine and Other S-Triazine Compounds as Aquatic Herbicides in Fish Habitats. *Weeds* 12: 134-139.  
EcoReference No.: 8041  
Chemical of Concern: SZ,ATZ; Habitat: A; Effect Codes: POP,MOR; Rejection Code: LITE EVAL CODED(SZ),NO ENDPOINT(ATZ).
- Walker, S. R., Robinson, G. R., and Hargreaves, P. A. (1997). Weed Control with Atrazine and Chlorsulfuron is Determined by Herbicide Availability and Persistence in Soils. *Aust.J.Agric.Res.* 48: 1003-1009.  
EcoReference No.: 62727  
Chemical of Concern: ATZ,CSF; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(ATZ).

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ATRAZINE post-IREDD (October 2003 - February 2006)  
Papers that Were Accepted for ECOTOX

**Acceptable for ECOTOX and OPP**

- Abdel-Hamid, M. I. (1996). Development and Application of a Simple Procedure for Toxicity Testing Using Immobilized Algae. *Water Sci.Technol.* 33: 129-138.  
EcoReference No.: 69584

- Chemical of Concern: SZ,ATZ,GYP,DMT,CSF,PCZ,MCPA,DPP; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Allran, J. W. and Karasov, W. H. (2000). Effects of Atrazine and Nitrate on Northern Leopard Frog (*Rana pipiens*) Larvae Exposed in the Laboratory from Posthatch Through Metamorphosis. *Environ.Toxicol.Chem.* 19: 2850-2855.  
EcoReference No.: 56572  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,MOR,BCM; Rejection Code: **Less sensitive endpoint. No effect at highest test concentration.**
- Anderson, T. D. and Lydy, M. J. (2002). Increased Toxicity to Invertebrates Associated with a Mixture of Atrazine and Organophosphate Insecticides. *Environ.Toxicol.Chem.* 21: 1507-1514.  
EcoReference No.: 64955  
Chemical of Concern: ATZ,DZ,CPY,MP; Habitat: AT; Effect Codes: ACC,MOR,BCM; Rejection Code: **No effect at single test concentration. Biochemical enzymatic endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Anderson, T. D. and Zhu, K. Y. (2004). Synergistic and Antagonistic Effects of Atrazine on the Toxicity of Organophosphorodithioate and Organophosphorothioate Insecticides to *Chironomus tentans* (Diptera: Chironomidae). *Pestic.Biochem.Physiol.* 80: 54-64.  
EcoReference No.: 74947  
Chemical of Concern: DMT,DS,DEM,ATZ,PPB,OMT; Habitat: A; Effect Codes: MOR,BCM; Rejection Code: **Less sensitive endpoint. No effect at single test concentration. Biochemical endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Ashby, J., Tinwell, H., Stevens, J., Pastoor, T., and Breckenridge, C. B. (2002). The Effects of Atrazine on the Sexual Maturation of Female Rats. *Regul.Toxicol.Pharmacol.* 35: 468-473.  
EcoReference No.: 81454  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Babic-Gojmerac, T., Kniewald, Z., and Kniewald, J. (1989). Testosterone Metabolism in Neuroendocrine Organs in Male Rats Under Atrazine and Deethylatrazine Influence. *J.Steroid Biochem.* 33: 141-146.  
EcoReference No.: 81750  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Baekken, T. and Aanes, K. J. (1991). Pesticides in Norwegian Agriculture. Their Effects on Benthic Fauna in Lotic Environments. Preliminary Results. *Int.Assoc.Theor.Appl.Limnol.Proc./Int.Ver.Theor.Angew.Limnol.Verh.* 24: 2277-2281.  
EcoReference No.: 13409  
Chemical of Concern: ATZ,DMT,PCZ,MCPA,DPDP; Habitat: A; Effect Codes: MOR,POP; Rejection Code: **No effect at the highest test concentration.**
- Bathe, R., Ullman, L., Sachsse, K., and Hess, R. (1975). Relationship between Toxicity to Fish and to Mammals: A Comparative Study Under Defined Laboratory Conditions. *U.S.EPA-OPP Registration Standard.*  
EcoReference No.: 12999  
Chemical of Concern: ATZ,DZ; Habitat: A; Effect Codes: MOR; Rejection Code: **Proprietary paper. Data not available.**
- Baturo, W. and Lagadic, L. (1996). Benzo(a)pyrene Hydroxylase and Glutathione S-Transferase Activities as Biomarkers in *Lymnaea palustris* (Mollusca, Gastropoda) Exposed to Atrazine and Hexachlorobenzene in Freshwater Mesocosms. *Environ.Toxicol.Chem.* 15: 771-781.  
EcoReference No.: 16860  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: ACC,BCM; Rejection Code: **Biomarker endpoint not relevant to assessment endpoints.**



- Beauvais, S. L., Atchison, G. J., Stenback, J. Z., and Crumpton, W. G. (1999). Use of Cholinesterase Activity to Monitor Exposure of *Chironomus riparius* (Diptera: Chironomidae) to a Pesticide Mixture in Hypoxic Wetland Mesocosms. *Hydrobiologia* 416: 163-170.  
EcoReference No.: 62050  
Chemical of Concern: ATZ,CPY,MTL; Habitat: A; Effect Codes: BCM; Rejection Code: **Biochemical enzymatic endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Bednarz, T. (1981). The Effect of Pesticides on the Growth of Green and Blue-Green Algae Cultures. *Acta Hydrobiol.* 23: 155-172.  
EcoReference No.: 17259  
Chemical of Concern: 24DXY,ATZ,DU,SZ,MXC,DDT; Habitat: A; Effect Codes: POP,CEL; Rejection Code: **Less sensitive endpoint.**
- Belden, J. B. and Lydy, M. J. (2001). Effects of Atrazine on Acetylcholinesterase Activity in Midges (*Chironomus tentans*) Exposed to Organophosphorus Insecticides. *Chemosphere* 44: 1685-1689.  
EcoReference No.: 62046  
Chemical of Concern: ATZ,PRN,MLN; Habitat: A; Effect Codes: BCM; Rejection Code: **No effect at single test concentration. Biochemical enzymatic endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Benhra, A., Radetski, C. M., and Ferard, J. F. (1997). Cryoalgotox: Use of Cryopreserved Alga in a Semistatic Microplate Test. *Environ.Toxicol.Chem.* 16: 505-508.  
EcoReference No.: 17613  
Chemical of Concern: ATZ,CuS,Cd,Cr; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Berard, A. and Benninghoff, C. (2001). Pollution-Induced Community Tolerance (PICT) and Seasonal Variations in the Sensitivity of Phytoplankton to Atrazine in Nanocosms. *Chemosphere* 45: 427-437.  
EcoReference No.: 62042  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM.POP,SYS; Rejection Code: **Less sensitive endpoint.**
- Berard, A., Dorigo, U., Mercier, I., Becker-Van Slooten, K., Grandjean, D., and Leboulanger, C. (2003). Comparison of the Ecotoxicological Impact of the Triazines Irgarol 1051 and Atrazine on Microalgal Cultures and Natural Microalgal Communities in Lake Geneva. *Chemosphere* 53: 935-944.  
EcoReference No.: 72626  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Berard, A., Leboulanger, C., and Pelte, T. (1999). Tolerance of *Oscillatoria limnetica* Lemmermann to Atrazine in Natural Phytoplankton Populations and in Pure Culture: Influence of Season and Temperature. *Arch.Environ.Contam.Toxicol.* 37: 472-479 .  
EcoReference No.: 20576  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Endpoint Less Sensitive and/or equal to 10 ppb value from the IRED.**
- Berard, A., Pelte, T., and Druart, J. C. (1999). Seasonal Variations in the Sensitivity of Lake Geneva Phytoplankton Community Structure to Atrazine. *Arch.Hydrobiol.* 145: 277-295.  
EcoReference No.: 47486  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Used in CASM.**
- Bird, K. T. (1993). Comparisons of Herbicide Toxicity Using In Vitro Cultures of *Myriophyllum spicatum*. *J.Aquat.Plant Manag.* 31 : 43-45.  
EcoReference No.: 13730  
Chemical of Concern: 24DXY,ATZ,GYP; Habitat: A; Effect Codes: GRO; Rejection Code: **Less sensitive endpoint.**

- Bogaerts, P., Bohatier, J., and Bonnemoy, F. (2001). Use of the Ciliated Protozoan *Tetrahymena pyriformis* for the Assessment of Toxicity and Quantitative Structure-Activity Relationships of Xenobiotics: Comparison with the Microtox Test. *Ecotoxicol. Environ. Saf.* 49: 293-301.  
EcoReference No.: 62033  
Chemical of Concern:  
Hg,Cd,CuS,CrAC,Zn,Mn,Fe,Pb,Co,Ni,As,CBL,MLN,PRN,HCCH,DM,ATZ,DU,PL, Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Bolle, P., Mastrangelo, S., Tucci, P., and Evandri, M. G. (2004). Clastogenicity of Atrazine Assessed with the *Allium cepa* Test. *Environ. Mol. Mutagen.* 43: 137-141.  
EcoReference No.: 81735  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: CEL; Rejection Code: **Genetic chromosomal aberration endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Bouilly, K., Leitao, A., McCombie, H., and Lapegue, S. (2003). Impact of Atrazine on Aneuploidy in Pacific Oysters, *Crassostrea gigas*. *Environ. Toxicol. Chem.* 22: 219-223.  
EcoReference No.: 68194  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: CEL; Rejection Code: **Less sensitive endpoint.**
- Bouilly, K., McCombie, H., Leitao, A., and Lapegue, S. (2004). Persistence of Atrazine Impact on Aneuploidy in Pacific Oysters, *Crassostrea gigas*. *Mar. Biol.* 145: 699-705.  
EcoReference No.: 81756  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: REP,GRO,CEL; Rejection Code: **Genetic cellular endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Bringolf, R. B., Belden, J. B., and Summerfelt, R. C. (2004). Effects of Atrazine on Fathead Minnow in a Short-Term Reproduction Assay. *Environ. Toxicol. Chem.* 23: 1019-1025.  
EcoReference No.: 72793  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: REP,GRO,BCM; Rejection Code: **No statistically significant effects observed at the highest test concentration (44 ppb).**
- Britson, C. A. and Threlkeld, S. T. (1998). Abundance, Metamorphosis, Developmental, and Behavioral Abnormalities in *Hyla chrysoscelis* Tadpoles Following Exposure to Three Agrichemicals and Methyl Mercury in Outdoors Mesocosms. *Bull. Environ. Contam. Toxicol.* 61: 154-161.  
EcoReference No.: 19806  
Chemical of Concern: ATZ,MSMA,CPY; Habitat: A; Effect Codes: POP,GRO,BEH; Rejection Code: **Not applicable: mixtures of atrazine, chlorpyrifos, MSMA, and methyl mercury tested.**
- 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; Habitat: A; Effect Codes: BCM; Rejection Code: **Endpoint Less Sensitive.**
- Butler, P. A. (1965). Effects of Herbicides on Estuarine Fauna. *Proc. South. Weed Conf.* 18: 576-580.  
EcoReference No.: 14134  
Chemical of Concern:  
DU,ATZ,AMTR,PMT,PRO,ACL,D CPA,PAQT,MLT,NTP,TBF,VNT,EPTC,PCL,PEB,DDT,24DXY,BEE; Habitat: A; Effect Codes: MOR,GRO,POP; Rejection Code: **No effect level at highest test concentration.**
- Cain, J. R. and Cain, R. K. (1983). The Effects of Selected Herbicides on Zygosphore Germination and Growth of *Chlamydomonas moewusii* (Chlorophyceae, Volvocales). *J. Phycol.* 19: 301-305.  
EcoReference No.: 61203  
Chemical of Concern:  
EDT,ATZ,DU,PCL,24DXY,PAQT,PRO,PPN,DMB,LNR,ACR,AMTR,BMN,AMTL; Habitat: A; Effect

- Codes: POP,REP,MOR; Rejection Code: **Less sensitive endpoint.**
- Carr, J. A., Gentles, A., Smith, E. E., Goleman, W. L., Urquidi, L. J., Thuett, K., Kendall, R. J., Giesy, J. P., Gross, T. S., Solomon, K. R., and Van der Kraak, G. (2003). Response of Larval *Xenopus laevis* to Atrazine: Assessment of Growth, Metamorphosis, and Gonadal and Laryngeal Morphology. *Environ.Toxicol.Chem.* 22: 396-405.  
EcoReference No.: 68175  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BEH,GRO,MOR; Rejection Code: **Reviewed as part of the Amphibian White Paper.**
- Carrasco, J. M. and Sabater, C. (1997). Toxicity of Atrazine and Chlorsulfuron to Algae. *Toxicol.Environ.Chem.* 59: 89-99.  
EcoReference No.: 6712  
Chemical of Concern: ATZ,CSF; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Chang, L. W., Toth, G. P., Gordon, D. A., Graham, D. W., Meier, J. R., Knapp, C. W., DeNoyelles, F. J. Jr., Campbell, S., and Lattier, D. L. (2005). Responses of Molecular Indicators of Exposure in Mesocosms: Common Carp (*Cyprinus carpio*) Exposed to the Herbicides Alachlor and Atrazine. *Environ.Toxicol.Chem.* 24: 190-197. .  
EcoReference No.: 78289  
Chemical of Concern: ATZ,ACR; Habitat: A; Effect Codes: BCM,CEL; Rejection Code: **Biomolecular indicators of genetic cell damage cannot be quantitatively linked to the selected assessment endpoints.**
- Chio, H. and Sanborn, J. R. (1978). The Metabolism of Atrazine, Chloramben, and Dicamba in Earthworms (*Lumbricus terrestris*) from Treated and Untreated Plots. *Weed Sci.* 26: 331-335.  
EcoReference No.: 36146  
Chemical of Concern: ATZ,DMB; Habitat: T; Effect Codes: ACC; Rejection code: **Biochemical endpoints can not be quantitatively linked to the selected assessment endpoints.**
- Christensen, E. R., Chen, D., Nyholm, N., and Kusk, K. O. (2001). Joint Action of Chemicals in Algal Toxicity Tests: Influence of Response Level and Dose-Response Regression Model. *Environ.Toxicol.Chem.* 20: 2361-2369.  
EcoReference No.: 62292  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Christl, T. J., Pennington, P., DeLorenzo, M., Karnaky, K. J. Jr., and Scott, G. I. (2004). Effect of Multiple Atrazine Exposure Profiles on Hemocyte DNA Integrity in the Eastern Oyster (*Crassostrea virginica*). *Bull.Environ.Contam.Toxicol.* 73: 404-410.  
EcoReference No.: 79392  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: CEL; Rejection Code: **Cellular genetic endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Clements, C., Ralph, S., and Petras, M. (1997). Genotoxicity of Select Herbicides in *Rana catesbeiana* Tadpoles Using the Alkaline Single-Cell Gel DNA Electrophoresis (Comet) Assay. *Environ.Mol.Mutagen.* 29: 277-288.  
EcoReference No.: 20274  
Chemical of Concern: 24DXY,ATZ,GYP,MBZ,MTL,DMM; Habitat: A; Effect Codes: CEL,MOR; Rejection Code: **Less sensitive endpoint.**
- Connors, D. E. and Black, M. C. (2004). Evaluation of Lethality and Genotoxicity in the Freshwater Mussel *Utterbackia imbecillis* (Bivalvia: Unionidae) Exposed Singly and in Combination to Chemicals Used in Lawn Care. *Arch.Environ.Contam.Toxicol.* 46: 362-371.  
EcoReference No.: 74236  
Chemical of Concern: ATZ,GYP,DZ,CBL; Habitat: A; Effect Codes: MOR; Rejection Code: **Less sensitive endpoint. Cellular genetic endpoint cannot be quantitatively linked to the selected assessment**

endpoints.

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EcoReference No.: 69587  
Chemical of Concern: ATZ,SZ; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Conrad, R., Buchel, C., Wilhelm, C., Arsalane, W., Berkaloff, C., and Duval, J. C. (1993). Changes in Yield of In-Vivo Fluorescence of Chlorophyll a as a Tool for Selective Herbicide Monitoring. *J.Appl.Phycol.* 5: 505-516.  
EcoReference No.: 14619  
Chemical of Concern: ATZ,DU,SZ; Habitat: A; Effect Codes: BCM; Rejection Code: **Less sensitive endpoint.**
- Cooper, R. L., Stoker, T. E., Goldman, J. M., Parrish, M. B., and Tyrey, L. (1996). Effect of Atrazine on Ovarian Function in the Rat. *Reprod.Toxicol.* 10: 257-264.  
EcoReference No.: 68625  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: BCM,PHY,GRO; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Dabydeen, S. and Leavitt, J. R. C. (1981). Absorption and Effect of Simazine and Atrazine on Elodea canadensis. *Bull.EnvIRON.Contam.Toxicol.* 26: 381-385.  
EcoReference No.: 69588  
Chemical of Concern: ATZ,SZ; Habitat: A; Effect Codes: CEL,ACC,PHY; Rejection Code: **Plant residue studies were not considered for this assessment.**
- Day, K. E. (1993). Short-Term Effects of Herbicides on Primary Productivity of Periphyton in Lotic Environments. *Ecotoxicology* 2: 123-138.  
EcoReference No.: 13325  
Chemical of Concern: ATZ,HXZ,MTL,TET,PHY; Habitat: A; Rejection Code: **Endpoint Less Sensitive.**
- Del carmen Alvarez, M. and Fuiman, L. A. (2005). Environmental Levels of Atrazine and Its Degradation Products Impair Survival Skills and Growth of Red Drum Larvae. *Aquat.Toxicol.* 74: 229-241.  
EcoReference No.: 81463  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,BEH,PHY; Rejection Code: **Behavioral endpoint cannot be quantitatively linked to the selected assessment endpoints. Survival endpoint less sensitive.**
- DeLorenzo, M. E., Lauth, J., Pennington, P. L., Scott, G. I., and Ross, P. E. (1999). Atrazine Effects on the Microbial Food Web in Tidal Creek Mesocosms. *Aquat.Toxicol.* 46: 241-251.  
EcoReference No.: 20335  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: PHY,POP; Rejection Code: Endpoints to saltwater species not evaluated in this assessment.
- DeLorenzo, M. E., Leatherbury, M., Weiner, J. A., Lewitus, A. J., and Fulton, M. H. (2004). Physiological Factors Contributing to the Species-Specific Sensitivity of Four Estuarine Microalgal Species Exposed to the Herbicide Atrazine. *Aquat.Ecosyst.Health Manage.* 7: 137-146.  
EcoReference No.: 81739  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,POP,BCM; Rejection Code: **Less sensitive endpoint.**
- DeLorenzo, M. E., Scott, G. I., and Ross, P. E. (1999). Effects of the Agricultural Pesticides Atrazine, Deethylatrazine, Endosulfan, and Chlorpyrifos on an Estuarine Microbial Food Web. *Environ.Toxicol.Chem.* 18: 2824-74.

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 Chemical of Concern: ATZ,CPY,ES,DEATZ; Habitat: A; Effect Codes: POP,PHY; Rejection Code: **Less sensitive endpoint.**
- DeLorenzo, M. E. and Serrano, L. (2003). Individual and Mixture Toxicity of Three Pesticides; Atrazine, Chlorpyrifos, and Chlorothalonil to the Marine Phytoplankton Species *Dunaliella tertiolecta*. *J.Environ.Sci.Health Part B* 38: 529-538.  
 EcoReference No.: 81619  
 Chemical of Concern: ATZ,CPY,CTN; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
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 EcoReference No.: 13213  
 Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP,PHY,REP; Rejection Code: **Used in CASM.**
- DeNoyelles, F. Jr. and Kettle, W. D. (1985). Experimental Ponds for Evaluating Bioassay Predictions. In: *T.P.Boyle (Ed.), Validation and Predictability of Laboratory Methods for Assessing the Fate and Effects of Contaminants in Aquatic Ecosystems, 1st Symposium, ASTM STP 865, Philadelphia, PA* 91-103.  
 EcoReference No.: 9504  
 Chemical of Concern: ATZ; Habitat: A; Effect Codes: PHY; Rejection Code: **Used in CASM.**
- DeNoyelles, F. Jr., Kettle, W. D., Fromm, C. H., Moffett, M. F., and Dewey, S. L. (1989). Use of Experimental Ponds to Assess the Effects of a Pesticide on the Aquatic Environment. In: *J.R.Voshell,Jr.(Ed.), Using Mesocosms to Assess the Aquatic Ecological Risk of Pesticides: Theory and Practice, Misc.Publ.No.75* 41-56.  
 EcoReference No.: 61566  
 Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Used in CASM.**
- Detenbeck, N. E., Hermanutz, R., Allen, K., and Swift, M. C. (1996). Fate and Effects of the Herbicide Atrazine in Flow-Through Wetland Mesocosms. *Environ.Toxicol.Chem.* 15: 937-946.  
 EcoReference No.: 16839  
 Chemical of Concern: ATZ; Habitat: A; Effect Codes: SYS,PHY,POP,GRO,BCM,MOR; Rejection Code: **Used in CASM.**
- Donna, A., Betta, P. G., Robutti, F., and Bellingeri, D. (1986). Carcinogenicity Testing of Atrazine: Preliminary Report on a 13-Month Study on Male Swiss Albino Mice Treated by Intraperitoneal Administration. *G.Ital.Med.Lav.* 8: 119-121.  
 EcoReference No.: 79999  
 Chemical of Concern: ATZ; Habitat: T; Effect Codes: CEL,MOR; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Dorigo, U. and Leboulanger, C. (2001). A Pulse-Amplitude Modulated Fluorescence-Based Method for Assessing the Effects of Photosystem II Herbicides on Freshwater Periphyton. *J.Appl.Phycol.* 13: 509-515.  
 EcoReference No.: 81753  
 Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM; Rejection Code: **Less sensitive endpoint.**
- Downs, C. A., Dillon, R. T. Jr., Fauth, J. E., and Woodley, C. M. (2001). A Molecular Biomarker System for Assessing the Health of Gastropods (*Ilyanassa obsoleta*) Exposed to Natural and Anthropogenic Stressors. *J.Exp.Mar.Biol.Ecol.* 259: 189-214.  
 EcoReference No.: 66412  
 Chemical of Concern: Cd,ATZ,ES; Habitat: A; Effect Codes: BCM; Rejection Code: **Biochemical endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Downs, C. A., Fauth, J. E., and Woodley, C. M. (2001). Assessing the Health of Grass Shrimp (*Palaeomonetes pugio*) Exposed to Natural and Anthropogenic Stressors: A Molecular Biomarker System.

- Mar.Biotechnol.* 3: 380-397.  
EcoReference No.: 75616  
Chemical of Concern: Cd,ATZ; Habitat: A; Effect Codes: BCM; Rejection Code: **Biochemical enzymatic endpoints cannot be quantitatively linked to the selected assessment 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: ATZ,AMTR,PMT,PRO; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Du Preez, H. H. and Van Vuren, J. H. J. (1992). Bioconcentration of Atrazine in the Banded Tilapia, *Tilapia sparrmanii*. *Comp.Biochem.Physiol.C* 101: 651-655.  
EcoReference No.: 6455  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: ACC; Rejection Code: **Bioconcentration factor.**
- Du Preez, L. and Solomon, K. R. (2003). Exposure of *Xenopus laevis* Larvae to Different Concentrations of Atrazine in Semi-natural Microcosms. *Final Rep.SA-01-D, Schl.of Environ.Sci.and Dev., Zool.Dep., Potchefstroom Univ.of CHE, Potchefstroom, South Africa* 44 p.  
EcoReference No.: 78091  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,CEL; Rejection Code: **Reviewed as part of the Amphibian White Paper.**
- EG&G Bionomics (1979). Effect of Atrazine on Developing Communities of Benthic Macroinvertebrate Estuarine Organisms. *Rep.No.BP-79-11-163R, Submitted to CIBA-Geigy Corp., Greensboro, NC, by the EG&G Bionomics, Mar.Res.Lab., Pensacola, FL* 21 p.  
EcoReference No.: 61556  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Study reported an increase in arthropod population values at all test concentrations of atrazine. No other adverse effects were reported; therefore, this study does not provide a more sensitive endpoint.**
- Egaas, E., Skaare, J. U., Svendsen, N. O., Sandvik, M., Falls, J. G., Dauterman, W. C., Collier, T. K., and Netland, J. (1993). A Comparative Study of Effects of Atrazine on Xenobiotic Metabolizing Enzymes in Fish and Insect, and of the In Vitro Phase II Atrazine Metabolism in Some Fish, Insects, Mammals and One Plant Species. *Comp.Biochem.Physiol.C* 106: 141-149.  
EcoReference No.: 19175  
Chemical of Concern: ATZ; Habitat: AT; Effect Codes: BCM,MOR,GRO; Rejection Code: **Biochemical enzymatic endpoint cannot be quantitatively linked to the selected assessment endpoints.**
- El Jay, A., Ducruet, J. M., Duval, J. C., and Pelletier, J. P. (1997). A High-Sensitivity Chlorophyll Fluorescence Assay for Monitoring Herbicide Inhibition of Photosystem II in the Chlorophyte *Selenastrum capricornutum*: Comparison with Effect on Cell Growth. *Arch.Hydrobiol.* 140: 273-286.  
EcoReference No.: 59914  
Chemical of Concern: ATZ,SZ,DU; Habitat: A; Effect Codes: POP,ACC; Rejection Code: **Less sensitive endpoint.**
- Eldridge, J. C., Fleenor-Heyser, D. G., Extrom, P. C., Wetzel, L. T., Breckenridge, C. B., Gillis, J. H., Luempert, III L. G. I., and Stevens, J. T. (1994). Short-Term Effects of Chlorotriazines on Estrus in Female Sprague-Dawley and Fischer 344 Rats. *J.Toxicol.Environ.Health* 43: 155-167.  
EcoReference No.: 48959  
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: GRO,BCM,REP,MOR; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Eldridge, J. C., Tennant, M. K., Wetzel, L. T., Breckenridge, C. B., and Stevens, J. T. (1994). Factors Affecting Mammary Tumor Incidence in Chlorotriazine-Treated Female Rats: Hormonal Properties, Dosage, and Animal Strain. *Environ.Health Perspect.* 102: 29-36.



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 Chemical of Concern: ATZ; Habitat: T; Effect Codes: REP,BCM,CEL; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Elezovic, I., Budimir, M., Karan, V., and Neskovic, N. K. (1994). Herbicides in Water: Subacute Toxic Effects on Fish. *In: R.Muller and R.Lloyd (Eds.), Sublethal and Chronic Effects of Pollutants on Freshwater Fish, Chapter 3, Fishing News Books, London* 30-38 (Publ in Part As 4321, 6681, 16438).  
 EcoReference No.: 18518  
 Chemical of Concern: 24DXY,ATZ,DBN,GYP; Habitat: A; Effect Codes: BCM,MOR; Rejection Code: **Less sensitive endpoint. Study also includes less sensitive biochemical endpoints that cannot be quantitatively linked to the selected assessment endpoints.**
- Elia, A. C., Waller, W. T., and Norton, S. J. (2002). Biochemical Responses of Bluegill Sunfish (*Lepomis macrochirus*, Rafinesque) to Atrazine Induced Oxidative Stress. *Bull.EnvIRON.Contam.Toxicol.* 68: 809-816.  
 EcoReference No.: 81458  
 Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM; Rejection Code: **Less sensitive endpoint. Biochemical endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Fairchild, J. F., La Point, T. W., and Schwartz, T. R. (1994). Effects of an Herbicide and Insecticide Mixture in Aquatic Mesocosms. *Arch.EnvIRON.Contam.Toxicol.* 27: 527-533.  
 EcoReference No.: 13679  
 Chemical of Concern: ATZ,EFV; Habitat: A; Effect Codes: POP,MOR,SYS; Rejection Code: **Used in CASM.**
- 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-Traizine Mixtures at Low-Effect Concentrations of Individual Toxicants. *Aquat.Toxicol.* 56: 13-32.  
 EcoReference No.: 62304  
 Chemical of Concern: SZ,PPZ,AMTR,PMT,CZE,ATZ,PRO; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Filipov, N. M., Pinchuk, L. M., Boyd, B. L., and Crittenden, P. L. (2005). Immunotoxic Effects of Short-Term Atrazine Exposure in Young Male C57BL/6 Mice. *Toxicol.Sci.* 86: 324-332.  
 EcoReference No.: 80508  
 Chemical of Concern: ATZ; Habitat: T; Effect Codes: CEL, GRO, PHY; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Forbis, A. D. (1987). Uptake, Depuration, and Bioconcentration and Metabolite Characterization of <sup>14</sup>C-Atrazine by Bluegill Sunfish (*Lepomis macrochirus*). *Final Rep.#34737,Analytical Bio-Chemistry Lab.,Columbia,MO* 107 p.  
 EcoReference No.: 78793  
 Chemical of Concern: ATZ; Habitat: A; Effect Codes: ACC; Rejection Code: **Bioconcentration factor.**
- Forney, D. R. (1979). Effects of Atrazine on Chesapeake Bay Aquatic Plants. *M.S.Thesis, Auburn University, Auburn, AL, Prepared for the Office of Water Res.and Technol., Washington, D.C.* 86 p. (U.S.NTIS PB81-115560).  
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 Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,MOR; Rejection Code: **Less sensitive endpoint.**
- Forster, B., Heifetz, P. B., Lardans, A., Boynton, J. E., and Gillham, N. W. (1997). Herbicide Resistance and Growth of D1 Ala251 Mutants in *Chlamydomonas*. *Z.Naturforsch.Sect.C* 52: 654-664.  
 EcoReference No.: 71603  
 Chemical of Concern: ATZ,BMC,MBZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**

- Fort, D. J., Rogers, R. L., Thomas, J. H., Buzzard, B. O., Noll, A. M., and Spaulding, C. D. (2004). Comparative Sensitivity of *Xenopus tropicalis* and *Xenopus laevis* as Test Species for the FETAX Model. *J.Appl.Toxicol.* 24: 443-457.  
EcoReference No.: 81751  
Chemical of Concern: ATZ,CU; Habitat: AT; Effect Codes: MOR,GRO; Rejection Code: **Less sensitive endpoint.**
- Foster, S., Thomas, M., and Korth, W. (1998). Laboratory-Derived Acute Toxicity of Selected Pesticides to *Ceriodaphnia dubia*. *Australas.J.Ecotoxicol.* 4: 53-59.  
EcoReference No.: 67777  
Chemical of Concern: SZ,ATZ,CPY; Habitat: A; Effect Codes: PHY; Rejection Code: **Less sensitive endpoint.**
- Francois, D. L. and Robinson, G. G. C. (1990). Indices of Triazine Toxicity in *Chlamydomonas geitleri* Ettl. *Aquat.Toxicol.* 16: 205-228.  
EcoReference No.: 69582  
Chemical of Concern: SZ,ATZ; Habitat: A; Effect Codes: POP,PHY; Rejection Code: **Less sensitive endpoint.**
- Freeman, J. L., Beccue, N., and Rayburn, A. L. (2005). Differential Metamorphosis Alters the Endocrine Response in Anuran Larvae Exposed to T3 and Atrazine. *Aquat.Toxicol.* 75: 263-276.  
EcoReference No.: 81460  
Chemical of Concern: ATZ; Habitat: AT; Effect Codes: GRO,CEL; Rejection Code: **Less sensitive endpoint.**
- Freeman, J. L. and Rayburn, A. L. (2005). Developmental Impact of Atrazine on Metamorphing *Xenopus laevis* as Revealed by Nuclear Analysis and Morphology. *Environ.Toxicol.Chem.* 24: 1648-1653.  
EcoReference No.: 81459  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,CEL; Rejection Code: **Less sensitive endpoint.**
- Freeman, J. L. and Rayburn, A. L. (2004). In Vivo Genotoxicity of Atrazine to Anuran Larvae. *Mutat.Res.* 560: 69-78.  
EcoReference No.: 78644  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: CEL; Rejection Code: **Genotoxicity endpoints cannot be quantitatively linked to the assessment endpoints.**
- Friedmann, A. S. (2002). Atrazine Inhibition of Testosterone Production in Rat Males Following Peripubertal Exposure. *Reprod.Toxicol.* 16: 275-279.  
EcoReference No.: 81461  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Friesen-Pankratz, B., Doebel, C., Farenhorst, A., and Goldsborough, L. G. (2003). Interactions Between Algae (*Selenastrum capricornutum*) and Pesticides: Implications for Managing Constructed Wetlands for Pesticide Removal. *J.Environ.Sci.Health Part B* 38: 147-155.  
EcoReference No.: 78287  
Chemical of Concern: ATZ,HCCH; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Gagnaire, B., Renault, T., Bouilly, K., Lapegue, S., and Thomas-Guyon, H. (2003). Study of Atrazine Effects on Pacific Oyster, *Crassostrea gigas*, Haemocytes. *Curr.Pharm.Des.* 8: 99-110.  
EcoReference No.: 71602  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM,MOR; Rejection Code: **No effect at highest test concentration. Cellular and biochemical endpoints cannot be quantitatively linked to the selected**



assessment endpoints.

- Gala, W. R. and Giesy, J. P. (1990). Flow Cytometric Techniques to Assess Toxicity to Algae. *In: W.G.Landis and W.H.Van der Schalie (Eds.), Aquatic Toxicology and Risk Assessment, 13th Volume, ASTM STP 1096, Philadelphia, PA 237-246.*  
EcoReference No.: 18933  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: PHY,POP,MOR,CEL; Rejection Code: **Less sensitive endpoint.**
- Gaunt, P. S. (1996). Extraction and Analysis of Triazines in Fish Tissues Following a Toxic Exposure; Environmental Factors Affecting Atrazine Toxicity in Fish. *Ph.D.Thesis, Louisiana State Univ., Baton Rouge, LA 211 p.*  
EcoReference No.: 70836  
Chemical of Concern: ATZ,MBZ,SZ; Habitat: A; Effect Codes: ACC,MOR; Rejection Code: **Less sensitive endpoint.**
- Genoni, G. P. (1992). Short-Term Effect of a Toxicant on Scope for Change in Ascendency in a Microcosm Community. *Ecotoxicol.Environ.Saf.* 24: 179-191.  
EcoReference No.: 5986  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Gerard, C. and Poullain, V. (2005). Variation in the Response of the Invasive Species Potamopyrgus antipodarum (Smith) to Natural (Cyanobacterial Toxin) and Anthropogenic (Herbicide Atrazine) Stressors. *Environ.Pollut.* 138: 28-33.  
EcoReference No.: 81462  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BEH; Rejection Code: **Behavioral effects including horizontal movement cannot be quantitatively linked to the selected assessment endpoints.**
- Geyer, H., Scheunert, I., and Korte, F. (1985). The Effects of Organic Environmental Chemicals on the Growth of the Alga Scenedesmus subspicatus: A Contribution to Environmental Biology. *Chemosphere* 14: 1355-1369.  
EcoReference No.: 11677  
Chemical of Concern: PCP,ATZ,BNZ,4WP,HCCH,DBN; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Girling, A. E., Pascoe, D., Janssen, C. R., Peither, A., Wenzel, A., Schafer, H., Neumeier, B., Mitchell, G. C., Taylor, E. J., Maund, S. J., Lay, J. P., Juttner, I., Crossland, N. O., Stephenson, R. R., and Persoone, G. (2000). Development of Methods for Evaluating Toxicity to Freshwater Ecosystems. *Ecotoxicol.Environ.Saf.* 45: 148-176.  
EcoReference No.: 49576  
Chemical of Concern: HCCH,ATZ,CuS,Cu; Habitat: A; Effect Codes: BEH,PHY,POP,MOR,GRO,REP; Rejection Code: **Endpoint for gammarus (precopula separation 24-h NOAEC of 11 ppb) cannot be quantitatively linked to the selected assessment endpoints. No effects on population density, drift, and neonate growth at highest concentration of 370 ppb. All aquatic plant endpoints are less sensitive.**
- Girman, G. R. (1975). The Effects of a Number of Herbicides upon Photosynthesis and Heterotrophy of Naturally Occurring Algal and Bacterial Communities in Delta Marsh. *M.S.Thesis, University of Manitoba* 179 p.  
EcoReference No.: 13583  
Chemical of Concern: 24DXY,MCPA,SZ,ATZ,AMTL,LNR,EPTC,TRL,PAQT,Cu; Habitat: A; Effect Codes: PHY; Rejection Code: **Less sensitive endpoint.**
- Gluth, G. and Hanke, W. (1984). A Comparison of Physiological Changes in Carp, Cyprinus carpio, Induced by Several Pollutants at Sublethal Concentration - II. The Dependency on. *Comp.Biochem.Physiol.C* 79: 39-45.  
EcoReference No.: 11249  
Chemical of Concern: ATZ,AND,TOL,EN,HCCH,4NP,DDT; Habitat: A; Effect Codes: BCM; Rejection

**Code: Biochemical hormonal cortisol endpoint cannot be quantitatively linked to the selected assessment endpoints.**

- Gojmerac, T., Kartal, B., Zuric, M., Curic, S., and Mitak, M. (1995). Serum Biochemical and Histopathological Changes Related to the Hepatic Function in Pigs Following Atrazine Treatment. *J.Appl.Toxicol.* 15: 233-236.  
EcoReference No.: 49616  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Gojmerac, T., Pleadin, J., Zuric, M., Rajkovic-Janje, R., and Korsic, M. (2004). Serum Luteinizing Hormone Response to Administration of Gonadotropin-Releasing Hormone to Atrazine-Treated Gilts. *Vet.Hum.Toxicol.* 46: 245-247.  
EcoReference No.: 81732  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment. Biochemical hormonal endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Goleman, W. L. and Carr, J. A. (2003). Response of Larval *Xenopus laevis* to Atrazine Exposure: Assessment of Metamorphosis and Gonadal and Laryngeal Morphology. *Final Rep.TTU-01, Inst.of Environ.and Hum.Health, Texas Tech Univ., Texas Tech Univ.Health Sci.Ctr., Lubbock, TX* 104 p.  
EcoReference No.: 78089  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: MOR,GRO; Rejection Code: **In White Paper on Amphibians.**
- Gonzalez-Barreiro, O., Rioboo, C., Cid, A., and Herrero, C. (2004). Atrazine-Induced Chlorosis in *Synechococcus elongatus* Cells. *Arch.Environ.Contam.Toxicol.* 46: 301-307.  
EcoReference No.: 74232  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP,BCM,CEL; Rejection Code: **Less sensitive endpoint.**
- Gorge, G. and Nagel, R. (1990). Kinetics and Metabolism of 14C-Lindane and 14C-Atrazine in Early Life Stages of Zebrafish (*Brachydanio rerio*). *Chemosphere* 21: 1125-1137.  
EcoReference No.: 246  
Chemical of Concern: ATZ,HCCH; Habitat: A; Effect Codes: ACC; Rejection Code: **Bioconcentration factor.**
- Greenlee, A. R., Ellis, T. M., and Berg, R. L. (2004). Low-Dose Agrochemicals and Lawn-Care Pesticides Induce Developmental Toxicity in Murine Preimplantation Embryos. *Environ.Health Perspect.* 112: 703-709.  
EcoReference No.: 82041  
Chemical of Concern: ATZ,CPY,DMB,MTL,DEAC,PDM,MCPP,TBO,PMR,CTN,MZB,NHN; Habitat: T; Effect Codes: GRO,CEL; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- 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: AZT,PMT,MBZ,BT,DU,PPN,PQT,PHMD,MCPA,24DXY,ACR,SXD,DFPM,DBN,GYP,IZT,IMQ,CSF; Habitat: AT; Effect Codes: GRO,POP; Rejection Code: **Less sensitive endpoint.**
- Guasch, H., Admiraal, W., and Sabater, S. (2003). Contrasting Effects of Organic and Inorganic Toxicants on Freshwater Periphyton. *Aquat.Toxicol.* 64: 165-175.  
EcoReference No.: 71806  
Chemical of Concern: Zn,ATZ; Habitat: A; Effect Codes: BCM; Rejection Code: **Less sensitive endpoint.**

- Guasch, H. and Sabater, S. (1998). Light History Influences the Sensitivity to Atrazine in Periphytic Algae. *J. Phycol.* 34: 233-241.  
EcoReference No.: 59874  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM; Rejection Code: **Less sensitive endpoint.**
- Gunkel, G. (1984). Investigations of the Ecotoxicological Effect of a Herbicide in an Aquatic Model Ecosystem. II. Food Chain Significance and Pesticide Balance. *Arch. Hydrobiol. Suppl.* 69: 130-168 (GER) (ENG ABS) (ENG TRANSL).  
EcoReference No.: 11887  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: ACC; Rejection Code: **Bioconcentration factor.**
- Gunther, P. and Pestemer, W. (1990). Risk Assessment for Selected Xenobiotics by Bioassay Methods with Higher Plants. *Environ. Manag.* 14: 381-388 (OECDG Data File).  
EcoReference No.: 40564  
Chemical of Concern: Cd,NaPCP,Cr,ATZ,DBN; Habitat: T; Effect Codes: GRO,REP; Rejection Code: LITE EVAL CODED(ATZ,NaPCP),OK(ALL CHEMS). **No control data presented. No raw data were provided; therefore EC25 and NOAEC endpoints could not be derived.**
- Gustavson, K. and Wangberg, S. A. (1995). Tolerance Induction and Succession in Microalgae Communities Exposed to Copper and Atrazine. *Aquat. Toxicol.* 32: 283-302 .  
EcoReference No.: 4060  
Chemical of Concern: ATZ,CuCl; Habitat: A; Effect Codes: PHY,POP,GRO; Rejection Code: **Used in CASM.**
- Hall, L. W. Jr., Anderson, R. D., and Ailstock, M. S. (1997). Chronic Toxicity of Atrazine to Sago Pondweed at a Range of Salinities: Implications for Criteria Development and Ecological Risk. *Arch. Environ. Contam. Toxicol.* 33: 261-267.  
EcoReference No.: 18592  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP,REP,BCM; Rejection Code: **Less sensitive endpoint.**
- Hamilton, P. B., Jackson, G. S., Kaushik, N. K., Solomon, K. R., and Stephenson, G. L. (1988). The Impact of Two Applications of Atrazine on the Plankton Communities of In Situ Enclosures. *Aquat. Toxicol.* 13: 123-140.  
EcoReference No.: 13146  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Used in CASM.**
- Hanioka, N., Jinno, H., Tanaka-Kagawa, T., Nishimura, T., and Ando, M. (1998). Changes in Rat Liver Cytochrome P450 Enzymes by Atrazine and Simazine Treatment. *Xenobiotica* 28: 683-698.  
EcoReference No.: 69580  
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Hanke, W., Gluth, G., Bubel, H., and Muller, R. (1983). Physiological Changes in Carps Induced by Pollution. *Ecotoxicol. Environ. Saf.* 7: 229-241.  
EcoReference No.: 10466  
Chemical of Concern: ATZ,PCP,DDT; Habitat: A; Effect Codes: BCM; Rejection Code: **Biochemical hormonal cortisol endpoint cannot be quantitatively linked to the selected assessment endpoints.**
- Hayes, T. B., Collins, A., Lee, M., Mendoza, M., Noriega, N., Stuart, A. A., and Vonk, A. (2002). Hermaphroditic, Demasculinized Frogs After Exposure to the Herbicide Atrazine at Low Ecologically Relevant Doses. *Proc. Natl. Acad. Sci.* 99: 5476-5480.  
EcoReference No.: 70207  
Chemical of Concern: ATZ; Habitat: AT; Effect Codes: GRO,MOR; Rejection Code: **In White Paper on Amphibians.**

- Hecker, M., Coady, K. K., Villeneuve, D. L., Murphy, M. B., Jones, P. D., and Giesy, J. P. (2003). A Pilot Study of Response of Larval *Rana clamitans* to Atrazine Exposure: Assessment of Metamorphosis and Gonadal and Laryngeal Morphology and Selected Hormones and Enzyme Activities. *Interim Rep.MSU-03, Aquat.Toxicol.Lab., Mich.State Univ., Natl.Food Saf.and Toxicol.Ctr., E.Lansing, MI* 79 p.  
EcoReference No.: 78082  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: MOR,GRO; Rejection Code: **In White Paper on Amphibians.**
- Hecker, M., Coady, K. K., Villeneuve, D. L., Murphy, M. B., Jones, P. D., and Giesy, J. P. (2003). Response of *Xenopus laevis* to Atrazine Exposure: Assessment of the Mechanism of Action of Atrazine. *Interim Rep.MSU-04, Aquat.Toxicol.Lab., Mich.State Univ., Natl.Food Saf.and Toxicol.Ctr., E.Lansing, MI* 143 p.  
EcoReference No.: 78088  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: MOR,GRO; Rejection Code: **In White Paper on Amphibians.**
- Hecker, M., Kim, W. J., Park, J. W., Murphy, M. B., Villeneuve, D., Coady, K. K., Jones, P. D., Solomon, K. R., Van der Kraak, G., Carr, J. A., Smith, E. E., Du Preez, L., Kendall, R. J., and Giesy, J. P. (2005). Plasma Concentrations of Estradiol and Testosterone, Gonadal Aromatase Activity and Ultrastructure of the Testis in *Xenopus laevis* Exposed to Estradiol or Atrazine. *Aquatic.Toxicol.* 72: 383-396 .  
EcoReference No.: 79288  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,BCM,REP; Rejection Code: **Less sensitive endpoint. Biochemical endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Hersh, C. M. and Crumpton, W. G. (1989). Atrazine Tolerance of Algae Isolated From Two Agricultural Streams. *Environ.Toxicol.Chem.* 8: 327-332.  
EcoReference No.: 393  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: PHY; Rejection Code: **Less sensitive endpoint.**
- Hershner, C., Ward, K., Illowsky, J., Delistraty, D., and Martorana, J. (1982). Effects of Atrazine on *Zostera marina* in Chesapeake Bay, Virginia. *U.S.EPA, Annapolis, MD* 286 p.  
EcoReference No.: 62763  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM,GRO,POP; Rejection Code: **Less sensitive endpoint.**
- Hess, F. D. (1980). A Chlamydomonas Algal Bioassay for Detecting Growth Inhibitor Herbicides. *Weed Sci.* 28: 515-520.  
EcoReference No.: 6513  
Chemical of Concern: ACR,ATZ,BMN,BS,DBN,GYP,MLT,TFN,BTY,CPP,AMTL,EPTC,PAQT,FDE;  
Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Hiltibran, R. C. (1967). Effects of Some Herbicides on Fertilized Fish Eggs and Fry. *Trans.Am.Fish.Soc.* 96: 414-416.  
EcoReference No.: 2751  
Chemical of Concern: EDT,SZ,24DXY,ATZ,DBN,AMTL,IODP,As; Habitat: A; Effect Codes: MOR;  
Rejection Code: **Less sensitive endpoint. No effect reported at the atrazine test concentrations.**
- Hiranpradit, H. and Foy, C. L. (1992). Effect of Four Triazine Herbicides on Growth of Nontarget Green Algae. *Weed Sci.* 40: 134-142.  
EcoReference No.: 62116  
Chemical of Concern: SZ,ATZ,CZE; Habitat: A; Effect Codes: POP,BCM; Rejection Code: **Less sensitive endpoint.**
- Hoagland, K. D., Matteen, S. A., Tang, J., and Siegfried, B. D. (2002). Relative Toxicity of the Herbicide Atrazine and Its Metabolites to Freshwater Diatoms. *In: J.John (Ed.), Proc.15th Int.Diatom Symp., Sept.28-Oct.2, 1998, Perth, Australia* 135-141.  
EcoReference No.: 69808  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**

- Hoffman, D. J. and Albers, P. H. (1984). Evaluation of Potential Embryotoxicity and Teratogenicity of 42 Herbicides, Insecticides, and Petroleum Contaminants to Mallard Eggs. *Arch. Environ. Contam. Toxicol.* 13 : 15-27.  
EcoReference No.: 35249  
Chemical of Concern:  
ACP,CBL,DZ,DMT,EN,HCCH,MLN,MOM,Naled,PRN,PMR,PSM,SPS,TMP,TXP,AMTL,ATZ,BMN,MCPA,24DXY,DMB,GYP,PAQT,PCL,PRO,PPN,TFN,ALSV; Habitat: T; Effect Codes:  
MOR,GRO,DVP; Rejection Code: **Less sensitive endpoint.**
- Holst, R. W., Yopp, J. H., and Kapusta, G. (1982). Effect of Several Pesticides on the Growth and Nitrogen Assimilation of the Azolla-anabaena Symbiosis. *Weed Sci.* 30: 54-58.  
EcoReference No.: 70299  
Chemical of Concern: SZ,ATZ,LNR,MBZ,24DXY,DMB; Habitat: A; Effect Codes: POP,PHY,BCM;  
Rejection Code: **Less sensitive endpoint.**
- Huggins, D. G. (1990). Ecotoxic Effects of Atrazine on Aquatic Macroinvertebrates and Its Impact on Ecosystem Structure. *Ph.D.Thesis, Univ. of Kansas, Manhattan, KS* 380 p.  
EcoReference No.: 19011  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Hughes, J. S., Alexander, M. M., and Balu, K. (1988). An Evaluation of Appropriate Expressions of Toxicity in Aquatic Plant Bioassays as Demonstrated by the Effects of Atrazine on Algae and Duckweed. *In: W.J.Adams, G.A.Chapman, and W.G.Landis (Eds.), Aquatic Toxicology and Hazard Assessment, 10th Volume, ASTM STP 971, Philadelphia, PA* 531-547.  
EcoReference No.: 5119  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,MOR; Rejection Code: **Less sensitive endpoint.**
- Infurna, R., Levy, B., Meng, C., Yau, E., Traina, V., Rolofson, G., Stevens, J., and Barnett, J. (1988). Teratological Evaluations of Atrazine Technical, a Triazine Herbicide, in Rats and Rabbits. *J.Toxicol.Environ.Health* 24: 307-319.  
EcoReference No.: 81026  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: BEH,MOR,REP,GRO,PHY; **Terrestrial mammalian endpoints were not considered for this assessment.**
- Innes, J. R. M., Ulland, B. M., Valerio, M. G., Petrucelli, L., Fishbein, L., Hart, E. R., Pallotta, A. J., Bates, R. R., Falk, H. L., Gart, J. J., Klein, M., Mitchell, I., and Peters, J. (1969). Bioassay of Pesticides and Industrial Chemicals for Tumorigenicity in Mice: A Preliminary Note. *J.Natl.Cancer Inst.* 42: 1101-1114.  
EcoReference No.: 71346  
Chemical of Concern:  
DU,PNB,DDT,SZ,ATZ,RTN,FBM,MRX,PPZ,THM,CBL,24DXY,Maneb,Zineb,Captan,Nabam,Folpet;  
Habitat: T; Effect Codes: CEL; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- 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: SZ,ATZ,PPZ,AMTR,CZE,PRO,PMT; Habitat: T; Effect Codes: POP,REP;  
Rejection Code: **Soil fungal endpoints were not considered for this assessment.**
- Jin-Clark, Y., Lydy, M. J., and Zhu, K. Y. (2002). Effects of Atrazine and Cyanazine on Chlorpyrifos Toxicity in *Chironomus tentans* (Diptera: Chironomidae). *Environ.Toxicol.Chem.* 21: 598-603.  
EcoReference No.: 62472  
Chemical of Concern: ATZ,CPY,CZE; Habitat: A; Effect Codes: BCM; Rejection Code: **Study reports toxicity of mixtures of atrazine and chlorpyrifos. The biochemical enzymatic endpoints cannot be**

quantitatively linked to the selected assessment endpoints.

- Johnson, I. C., Keller, A. E., and Zam, S. G. (1993). A Method for Conducting Acute Toxicity Tests with the Early Life Stages of Freshwater Mussels. *In: W.G.Landis, J.S.Hughes, and M.A.Lewis (Eds.), Environmental Toxicology and Risk Assessment, ASTM STP 1179, Philadelphia, PA* 381-396.  
EcoReference No.: 50679  
Chemical of Concern: ATZ,CBL,CYH; Habitat: A; Effect Codes: MOR; Rejection Code: **Less sensitive endpoint.**
- Jones, R. J. and Kerswell, A. P. (2003). Phytotoxicity of Photosystem II (PSII) Herbicides to Coral. *Mar.Ecol.Prog.Ser.* 261: 149-159.  
EcoReference No.: 75334  
Chemical of Concern: SZ,AMTR,ATZ,DU,HXZ,TET; Habitat: A; Effect Codes: ACC,BCM; Rejection Code: **Endpoints associated with saltwater coral were not considered for this assessment.**
- Jones, R. J., Muller, J., Haynes, D., and Schreiber, U. (2003). Effects of Herbicides Diuron and Atrazine on Corals of the Great Barrier Reef, Australia. *Mar.Ecol.Prog.Ser.* 251: 153-167.  
EcoReference No.: 78651  
Chemical of Concern: ATZ,DU; Habitat: A; Effect Codes: POP,BCM; Rejection Code: **Impacts on saltwater coral are not relevant to the assessment.**
- Jordan, L. S., Day, B. E., and Hendrixson, R. T. (1962). Chemical Control of Filamentous Green Algae. *Hilgardia* 32: 433-441.  
EcoReference No.: 14395  
Chemical of Concern: EDT,SZ,ACL,24DXY,ATZ,DU,Cu,CuS; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Kallqvist, T. and Romstad, R. (1994). Effects of Agricultural Pesticides on Planktonic Algae and Cyanobacteria - Examples of Interspecies Sensitivity Variations. *Norw.J.Agric.Sci.Suppl.* 13: 117-131.  
EcoReference No.: 16010  
Chemical of Concern: ATZ,DMT,SZ,MCPA,CSF,PCZ,DPP; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Kandori, H., Suzuki, S., Asamoto, M., Murasaki, T., Mingxi, T., Ogawa, K., and Shirai, T. (2005). Influence of Atrazine Administration and Reduction of Calorie Intake on Prostate Carcinogenesis in Probasin/SV40 T Antigen Transgenic Rats. *Cancer Sci.* 96: 221-226.  
EcoReference No.: 81743  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,BEH,PHY; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Karlander, E. P., Mayasich, J. M., and Terlizzi, D. E. (1983). Effects of the Herbicide Atrazine on an Oyster-Food Organism. *Maryland Water Resources Research Center, Tech.Rep.No.73, University of Maryland College Park, A-060-MD* 20 p.  
EcoReference No.: 13820  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Karrow, N. A., McCay, J. A., Brown, R. D., Musgrove, D. L., Guo, T. L., Germolec, D. R., and White, K. L. Jr. (2005). Oral Exposure to Atrazine Modulates Cell-Mediated Immune Function and Decreases Host Resistance to the B16F10 Tumor Model in Female B6C3F1 Mice. *Toxicology* 209: 15-28.  
EcoReference No.: 80462  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: PHY,CEL,GRO,ACC; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Kazeto, Y., Place, A. R., and Trant, John M. (2004). Effects of Endocrine Disrupting Chemicals on the Expression of CYP19 Genes in Zebrafish (Danio rerio) Juveniles. *Aquat.Toxicol.* 69: 25-34.  
EcoReference No.: 78647



- Chemical of Concern: BAP,ATZ,4NP; Habitat: A; Effect Codes: BCM; Rejection Code: No effects at the highest test concentration. Study also includes cellular endpoints that cannot be quantitatively linked to the selected assessment endpoints.
- Kearney, P. C., Oliver, J. E., Helling, C. S., Isensee, A. R., and Kontson, A. (1977). Distribution, Movement, Persistence, and Metabolism of N-Nitrosoatrazine in Soils and a Model Aquatic Ecosystem. *J.Agric.Food Chem.* 25: 1177-1181 (Used Refs 682, 2208).  
EcoReference No.: 7525  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: ACC; Rejection Code: Bioconcentration factor.
- Kemp, W. M., Boynton, W. R., Stevenson, J. C., Means, J. C., Twilley, R. R., and Jones, T. W. (1983). Submerged Aquatic Vegetation in Upper Chesapeake Bay: Studies Related to Possible Causes of the Recent Decline in Abundance. *Final Report, U.S.EPA, Annapolis, MD* 202 p.  
EcoReference No.: 69627  
Chemical of Concern: ATZ,LNR; Habitat: A; Effect Codes: POP,PHY,SYS,GRO,BCM; Rejection Code: Less sensitive endpoint.
- Kettle, W. D. (1982). Description and Analysis of Toxicant-Induced Responses of Aquatic Communities in Replicated Experimental Ponds. *Ph.D.Thesis, University of Kansas, KS:146 p.; Diss.Abst.Int.B Sci.Eng.43(8) (Publ in Part As 10984, 12338, 5049)*.  
EcoReference No.: 4547  
Chemical of Concern: ATZ,Cd; Habitat: A; Effect Codes: SYS,POP; Rejection Code: Used in CASM.
- Kirby, M. F. and Sheahan, D. A. (1994). Effects of Atrazine, Isoproturon, and Mecoprop on the Macrophyte Lemna minor and the Alga Scenedesmus subspicatus. *Bull.EnvIRON.Contam.Toxicol.* 53: 120-126.  
EcoReference No.: 13695  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP,GRO,BCM; Rejection Code: Less sensitive endpoint.
- Kish, P. A. (2004). Effects of Roundup, Glean, Aatrex, and Their Active Ingredients (Glyphosate, Chlorsulfuron, and Atrazine) on Periphyton Communities Studied by Using Matlock Periphytometer and Bottle Tests. *Ph.D.Thesis, Oklahoma State Univ., Stillwater, OK* 166 p.  
EcoReference No.: 81674  
Chemical of Concern: ATZ,GYP,CSF; Habitat: A; Effect Codes: BCM,GRO; Rejection Code: Less sensitive endpoint.
- Kligerman, A. D., Doerr, C. L., Tennant, A. H., and Peng, B. (2000). Cytogenetic Studies of Three Triazine Herbicides II. In Vivo Micronucleus Studies in Mouse Bone Marrow. *Mutat.Res.* 471: 107-112.  
EcoReference No.: 69595  
Chemical of Concern: ATZ,SZ,CZE; Habitat: T; Effect Codes: MOR,CEL; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.
- Kniewald, J., Jakomic, M., Tomljenovic, A., Simic, B., Romac, P., Vranesic, D., and Kniewald, Z. (2000). Disorders of Male Rat Reproductive Tract Under the Influence of Atrazine. *J.Appl.Toxicol.* 20: 61-68.  
EcoReference No.: 80519  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: REP,BCM,CEL,GRO; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.
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EcoReference No.: 75398  
Chemical of Concern: DEATZ,PMT,ATZ; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.
- Kniewald, J., Peruzovic, M., Gojmerac, T., Milkovic, K., and Kniewald, Z. (1987). Indirect Influence of S-Triazines on Rat Gonadotropic Mechanism at Early Postnatal Period. *J.Steroid Biochem.* 27: 1095-1100.  
EcoReference No.: 75128

- Chemical of Concern: ATZ,DEATZ; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Kratky, B. A. and Warren, G. F. (1971). The Use of Three Simple, Rapid Bioassays on Forty-Two Herbicides. *Weed Res.* 11: 257-262.  
EcoReference No.: 40616  
Chemical of Concern:  
EDT,SZ,24DC,ATZ,24DXY,ACR,BMC,BMN,BS,DBN,DMB,LNR,PQT,TRB,TFN,PYZ,NaN3; Habitat: AT; Effect Codes: POP,GRO; Rejection Code: **Less sensitive endpoint.**
- L'Haridon, J., Fernandez, M., Ferrier, V., and Bellan, J. (1993). Evaluation of the Genotoxicity of N-Nitrosoatrazine, N-Nitrosodiethanolamine and Their Precursors In Vivo Using the Newt Micronucleus Test. *Water Res.* 27: 855-862.  
EcoReference No.: 4324  
Chemical of Concern: ATZ,NaNO3,DEAC; Habitat: A; Effect Codes: CEL; Rejection Code: **Less sensitive endpoint. No effects at the single test concentration. Cellular endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Leboulanger, C., Rimet, F., Heme de Lacotte, M., and Berard, A. (2001). Effects of Atrazine and Nicosulfuron on Freshwater Microalgae. *Environ.Int.* 26: 131-135.  
EcoReference No.: 59970  
Chemical of Concern: ATZ,NSF; Habitat: A; Effect Codes: POP,PHY; Rejection Code: **Less sensitive endpoint. No effect at single test concentration.**
- Leigh, J. (1980). Atrazine. Acute Toxicity in Sunfish. *Woodard Res.Corp.* 1-3.  
EcoReference No.: 71600  
Chemical of Concern: ATZ,DDT; Habitat: A; Effect Codes: MOR; Rejection Code: **Less sensitive endpoint.**
- Lichtenstein, E. P., Liang, T. T., and Anderegg, B. N. (1973). Synergism of Insecticides by Herbicides. *Science* 181: 847-849.  
EcoReference No.: 2939  
Chemical of Concern: SZ,24DXY,ATZ,DZ,PRT,PRN,CBF,DDT,DLD; Habitat: AT; Effect Codes: MOR; Rejection Code: **Less sensitive endpoint.**
- Londono, D. K., Siegfried, B. D., and Lydy, M. J. (2004). Atrazine Induction of a Family 4 Cytochrome P450 Gene in Chironomus tentans (Diptera: Chironomidae). *Chemosphere* 56: 701-706.  
EcoReference No.: 81745  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: PHY,BCM; Rejection Code: **Biochemical enzymatic endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Losso, C., His, E., Ghetti, P. F., and Volpi Ghirardini, A. (2004). Sensitivity of Embryotoxicity Test with Mytilus galloprovincialis (LMK) Towards Some Compounds of Environmental Interest (Copper and Pesticides). *Environ.Technol.* 25: 841-846 .  
EcoReference No.: 81741  
Chemical of Concern: ATZ,CU,CBF,MLN; Habitat: A; Effect Codes: GRO,BEH; Rejection Code: **Less sensitive endpoint.**
- Lytle, J. S. and Lytle, T. F. (1996). Responses of the Estuarine Plant Scirpus olneyi to Two Herbicides, Atrazine and Metolachlor. In: D.A.Bengtson and D.S.Henshel (Eds.), *Environmental Toxicology and Risk Assessment: Biomarkers and Risk Assessment, 5th Volume, ASTM STP 1306, Philadelphia, PA* 270-284.  
EcoReference No.: 61985  
Chemical of Concern: ATZ,MTL; Habitat: A; Effect Codes: BCM,GRO; Rejection Code: **Less sensitive endpoint.**
- Lytle, T. F. and Lytle, J. S. (2005). Growth Inhibition as Indicator of Stress Because of Atrazine Following Multiple



- Toxicant Exposure of the Freshwater Macrophyte, *Juncus effusus* L. *Environ.Toxicol.Chem.* 24: 1198-1203.  
EcoReference No.: 81731  
Chemical of Concern: ATZ,CPY; Habitat: A; Effect Codes: GRO; Rejection Code: **Endpoint Less Sensitive.**
- 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:  
SZ,MLT,DFP,QZF,FNP,HFP,FZF,NSF,TN,EMSF,BP,ANL,PDM,BTC,AMTR,PMT,DU,PAQT,FXP,QN C,ATZ,MCPA,GYP,OXF; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- 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,BP,TN,EMSF,NSF,BTC,PAQT,AMTR,DU,ANL,MCPA,FXP,QNC,OXF,GYP,S Z,ATZ,MLT; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- 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: ATZ,SZ,BTC,MTL,DU,BMN,GYP; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- 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,ACO,S Z,ATZ,MLT,CZE,DU,PAQT,BMN,FXP,QNC,OXF,GFS,GYP; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Mailhot, H. (1987). Prediction of Algal Bioaccumulation and Uptake Rate of Nine Organic Compounds by Ten Physicochemical Properties. *Environ.Sci.Technol.* 21: 1009-1013.  
EcoReference No.: 12891  
Chemical of Concern: ATZ,BZO,DDT,CF; Habitat: A; Effect Codes: ACC; Rejection Code: **Endpoint Equal to 10 ppb Value Used in IRED.**
- Maria, C. S., Moreno, J., and Lopez-Campos, J. L. (1987). Hepatotoxicity Induced by the Herbicide Atrazine in the Rat. *J.Appl.Toxicol.* 7: 373-378.  
EcoReference No.: 39617  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,BCM,PHY; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Maria, C. S., Vilas, M. G., Muriana, F. G., and Relimpio, A. (1986). Subacute Atrazine Treatment Effects on Rat Renal Functions. *Bull.Environ.Contam.Toxicol.* 36: 325-331.  
EcoReference No.: 81746  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Maule, A. and Wright, S. J. L. (1984). Herbicide Effects on the Population Growth of Some Green Algae and Cyanobacteria. *J.Appl.Bacteriol.* 57: 369-379.  
EcoReference No.: 12028  
Chemical of Concern: ATZ,MCPA,DU,PPN,GYP; Habitat: A; Effect Codes: POP; Rejection Code:

Less sensitive endpoint.

- McMullin, T. S., Andersen, M. E., Nagahara, A., Lund, T. D., Pak, T., Handa, R. J., and Hanneman, W. H. (2004). Evidence that Atrazine and Diaminochlorotriazine Inhibit the Estrogen/Progesterone Induced Surge of Luteinizing Hormone in Female Sprague-Dawley Rats Without Changing Estrogen Receptor Action. *Toxicol.Sci.* 79: 278-286 .  
EcoReference No.: 80506  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: BCM, CEL; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Meisner, L. F., Belluck, D. A., and Roloff, B. D. (1992). Cytogenetic Effects of Alachlor and/or Atrazine In Vivo and In Vitro. *Environ.Mol.Mutagen.* 19: 77-82.  
EcoReference No.: 80104  
Chemical of Concern: ACR,ATZ; Habitat: T; Effect Codes: GRO,BEH; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Melius, T. O. (1975). Effects of Atrazine on Pinned Hen Pheasants. *Proc.S.D.Acad.Sci.* 54: 137-142.  
EcoReference No.: 37924  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: REP,GRO,BEH; Rejection Code: LITE EVAL CODED(ATZ). **Terrestrial mammalian endpoints were not considered for this assessment.**
- Mencoboni, M., Lerza, R., Bogliolo, G., Flego, G., and Pannacciulli, I. (1992). Effect of Atrazine on Hemopoietic System. *In Vivo (Athens)* 6: 41-44.  
EcoReference No.: 80330  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: PHY,BCM,CEL,MOR; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Menzel, R., Rodel, M., Kulas, J., and Steinberg, C. E. W. (2005). CYP35: Xenobiotically Induced Gene Expression in the Nematode *Caenorhabditis elegans*. *Arch.Biochem.Biophys.* 438: 93-102.  
EcoReference No.: 81719  
Chemical of Concern: ATZ,PAH,FA; Habitat: T; Effect Codes: REP,CEL; Rejection code: **Biochemical endpoints can not be quantitatively linked to the endpoints used in this assessment.**
- Merriam, T. L. and Axtell, R. C. (1983). Relative Toxicity of Certain Pesticides to *Lagenidium giganteum* (Oomycetes: Lagenidiales), a Fungal Pathogen of Mosquito Larvae. *Environ.Entomol.* 12: 515-521.  
EcoReference No.: 66427  
Chemical of Concern: MTPN,ACR,CPY,FNTH,MLN,TMP,DFZ,Captan,ATZ,DDT,HCCH,CBL,PPX,PMR,TXP; Habitat: A; Effect Codes: GRO; Rejection Code: **Soil fungal endpoints were not considered for this assessment.**
- Messaad, I. A., Peters, E. J., and Young, L. (2000). Thermal Tolerance of Red Shiner (*Cyprinella lutrensis*) After Exposure to Atrazine, Terbufos, and Their Mixtures. *Bull.Environ.Contam.Toxicol.* 64: 748-754.  
EcoReference No.: 52188  
Chemical of Concern: ATZ,TBO; Habitat: A; Effect Codes: PHY; Rejection Code: **Behavioral thermal endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Meydani, M. and Hathcock, J. N. (1984). Effect of Dietary Methionine on Methylmercury and Atrazine Toxicity. *Drug-Nutr.Interact.* 2: 217-233.  
EcoReference No.: 79696  
Chemical of Concern: MeHg,ATZ,Met; Habitat: T; Effect Codes: BCM,GRO; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Michel, A., Johnson, R. D., Duke, S. O., and Scheffler, B. E. (2004). Dose-Response Relationships Between Herbicides with Different Modes of Action and Growth of *Lemna paucicostata*: An Improved Ecotoxicological Method. *Environ.Toxicol.Chem.* 23: 1074-1079.  
EcoReference No.: 72796

- Chemical of Concern:  
DMB,DBN,ATZ,PQT,ACR,BT,GYP,FDM,NPM,EPTC,CPH,CPP,ASM,GFS,CMZ,FDE,NFZ,ACF,PAQT  
,CSF,FZFPB,DFPM; Habitat: A; Effect Codes: GRO; Rejection Code: **Less sensitive endpoint.**
- Millie, D. F. and Hersh, C. M. (1987). Statistical Characterizations of the Atrazine-Induced Photosynthetic Inhibition of *Cyclotella meneghiniana* (Bacillariophyta). *Aquat.Toxicol.* 10: 239-249.  
EcoReference No.: 12582  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: PHY; Rejection Code: **Less sensitive endpoint.**
- Mitchell, C. A. (1985). Effects of Atrazine on *Halodule wrightii* Ascherson in the Laboratory. *M.S.Thesis, Corpus Christi State Univ., Corpus Christi, TX* 82 p.  
EcoReference No.: 4899  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,MOR; Rejection Code: **Less sensitive endpoint.**
- Moody, D. E., Narloch, B. A., Shull, L. R., and Hammock, B. D. (1991). The Effect of Structurally Divergent Herbicides on Mouse Liver Xenobiotic-Metabolizing Enzymes (P-450-Dependent Monooxygenases, Epoxide Hydrolases and Glutathione S-Transferases) and Carnitine Acetyltransferase. *Toxicol.Lett.* 59: 175-185.  
EcoReference No.: 77500  
Chemical of Concern: MLT,DMB,MCP,ACR,ATZ,TFN,CFRM; Habitat: T; Effect Codes: BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Moore, A., Scott, A. P., Lower, N., Katsiadaki, I., and Greenwood, L. (2003). The Effects of 4-Nonylphenol and Atrazine on Atlantic Salmon (*Salmo salar* L) Smolts. *Aquaculture* 222: 253-263.  
EcoReference No.: 72092  
Chemical of Concern: NYP,ATZ; Habitat: A; Effect Codes: BCM; Rejection Code: **No effects observed at the highest test concentration.**
- Morgan, M. K., Scheuerman, P. R., Bishop, C. S., and Pyles, R. A. (1996). Teratogenic Potential of Atrazine and 2,4-D Using FETAX. *J.Toxicol.Environ.Health* 48: 151-168.  
EcoReference No.: 63246  
Chemical of Concern: ATZ,24DXY,EDT; Habitat: A; Effect Codes: GRO,MOR; Rejection Code: **Less sensitive endpoint.**
- Munoz, I., Real, M., Guasch, H., Navarro, E., and Sabater, S. (2001). Effects of Atrazine on Periphyton Under Grazing Pressure. *Aquat.Toxicol.* 55: 239-249.  
EcoReference No.: 61966  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM,POP; Rejection Code: **No effect at single test concentration.**
- Naessens, M., Leclerc, J. C., and Tran-Minh, C. (2000). Fiber Optic Biosensor Using *Chlorella vulgaris* for Determination of Toxic Compounds. *Ecotoxicol.Environ.Saf.* 46: 181-185.  
EcoReference No.: 52533  
Chemical of Concern: ATZ,SZ,DU,GYP,ACR; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Narotsky, M. G., Best, D. S., Guidici, D. L., and Cooper, R. L. (2001). Strain Comparisons of Atrazine-Induced Pregnancy Loss in the Rat. *Reprod.Toxicol.* 15: 61-69.  
EcoReference No.: 81662  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,REP,MOR; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Navarro, E., Guasch, H., and Sabater, S. (2002). Use of Microbenthic Algal Communities in Ecotoxicological Tests for the Assessment of Water Quality: The Ter River Case Study. *J.Appl.Phycol.* 14: 41-48.  
EcoReference No.: 82037

- Chemical of Concern: ATZ,CU; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Nelson, S. D. and Khan, S. U. (1992). Uptake of Atrazine by Hyphae of Glomus Vesicular-Arbuscular Mycorrhizae and Root Systems of Corn (*Zea mays* L.). *Weed Sci.* 40: 161-170.  
EcoReference No.: 80071  
Chemical of Concern: ATZ,FNF; Habitat: T; Effect Codes: ACC,PHY,GRO; Rejection Code: **Less sensitive endpoint.**
- Nicolau, G. Y. and Socoliuc, E. (1980). Effects of Atrazine on Circadian RNA, DNA and Total Protein Rhythms in the Thyroid and Adrenal. *Rev.Roum.Med.Endocrinol.* 18: 161-166.  
EcoReference No.: 79964  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: CEL,BCM,PHY; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Nollenberger, E. L. (1981). Toxicant-Induced Changes in Brain, Gill, Liver, and Kidney of Brook Trout Exposed to Carbaryl, Atrazine, 2,4-Dichlorophenoxyacetic Acid, and Parathion: A Cytochemical Study. *Ph.D.Thesis, Pennsylvania State Univ., University Park, PA* 213 p.  
EcoReference No.: 72745  
Chemical of Concern: ATZ,CBL,24DXY,PRN; Habitat: A; Effect Codes: PHY,CEL,BCM,BEH; Rejection Code: **Biochemical and cellular endpoints cannot be quantitatively linked to the selected assessment endpoints.**
- Nystrom, B., Paulsson, M., Almgren, K., and Blank, H. (2000). Evaluation of the Capacity for Development of Atrazine Tolerance in Periphyton from a Swedish Freshwater Site as Determined by Inhibition of Photosynthesis and Sulfolipid Synthesis. *Environ.Toxicol.Chem.* 19: 1324-1331.  
EcoReference No.: 52769  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- O'Connor, J. C., Plowchalk, D. R., Van Pelt, C. S., Davis, L. G., and Cook, J. C. (2000). Role of Prolactin in Chloro-s-Triazine Rat Mammary Tumorigenesis. *Drug Chem.Toxicol.* 23: 575-601.  
EcoReference No.: 72255  
Chemical of Concern: SZ,ATZ,CZE; Habitat: T; Effect Codes: GRO,CEL,BCM,PHY; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Orton, F., Carr, J. A., and Handy, R. D. (2006). Effects of Nitrate and Atrazine on Larval Development and Sexual Differentiation in the Northern Leopard Frog *Rana pipiens*. *Environ.Toxicol.Chem.* 25: 67-71.  
EcoReference No.: 82034  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: REP,CEL; Rejection Code: **Less sensitive endpoint.**
- Osterloh, J., Letz, G., Pond, S., and Becker, C. (1983). An Assessment of the Potential Testicular Toxicity of 10 Pesticides Using the Mouse-Sperm Morphology Assay. *Mutat.Res.* 116: 407-415.  
EcoReference No.: 74322  
Chemical of Concern: ATZ,MLT,DPDP,BMY,CBL; Habitat: T; Effect Codes: REP,MOR; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Owen, R., Knap, A., Ostrander, N., and Carbery, K. (2003). Comparative Acute Toxicity of Herbicides to Photosynthesis of Coral Zooxanthellae. *Bull.Environ.Contam.Toxicol.* 70: 541-548.  
EcoReference No.: 71903  
Chemical of Concern: ATZ,DU,SZ,DEATZ,24DXY; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Pace, E., Pompili, L., Margonelli, A., Giardi, P., and Giardi, M. T. (2001). Pulse-Chase Experiments with [<sup>35</sup>S]Methionine Show D1 Reaction II Protein Turnover in Various Herbicide Tolerant Species. *Pestic.Biochem.Physiol.* 69: 92-99.

- EcoReference No.: 81736  
 Chemical of Concern: ATZ,SZ,DV; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: **Biochemical fluorescence endpoint cannot be quantitatively linked to the selected assessment endpoints.**
- Pantani, C., Pannunzio, G., De Cristofaro, M., Novelli, A. A., and Salvatori, M. (1997). Comparative Acute Toxicity of Some Pesticides, Metals, and Surfactants to *Gammarus italicus* Goedm. and *Echinogammarus tibaldii* Pink. and Stock (Crustacea: Amphipoda). *Bull. Environ. Contam. Toxicol.* 59: 963-967.  
 EcoReference No.: 18621  
 Chemical of Concern:  
 ACR,ATZ,AZ,CBF,CBL,DMT,FMP,HCCH,MLT,MOM,MP,Cd,ADC,DDT,MXC,OML,TBC,CuCl,Cr,PPX,Zn,Hg; Habitat: A; Effect Codes: MOR; Rejection Code: **Less sensitive endpoint.**
- 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: ATZ,TFN,PDM,MTL,PMT,PAQT,FMU,DU; Habitat: A; Effect Codes: MOR; Rejection Code: **Less sensitive endpoint.**
- Pascoe, D., Kedwards, T. J., Maund, S. J., Muthi, E., and Taylor, E. J. (1994). Laboratory and Field Evaluation of a Behavioural Bioassay - the *Gammarus pulex* (L.) Precopula Separation (GaPPS) Test. *Water Res.* 28: 369-372.  
 EcoReference No.: 67942  
 Chemical of Concern: ATZ,Cu,HCCH; Habitat: A; Effect Codes: REP; Rejection Code: **Less sensitive endpoint.**
- Pennington, P. L. and Scott, G. I. (2001). Toxicity of Atrazine to the Estuarine Phytoplankter *Pavlova* sp. (Prymnesiophyceae): Increased Sensitivity After Long-Term, Low-Level Population Exposure. *Environ. Toxicol. Chem.* 20: 2237-2242.  
 EcoReference No.: 62448  
 Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
- Peterson, S. M. and Stauber, J. L. (1996). New Algal Enzyme Bioassay for the Rapid Assessment of Aquatic Toxicity. *Bull. Environ. Toxicol. Chem.* 56: 750-757.  
 EcoReference No.: 19926  
 Chemical of Concern: ATZ,DU,Cu,PL,DU,Cd,Hg,Cr,Zn; Habitat: A; Effect Codes: BCM,POP; Rejection Code: **Less sensitive endpoint.**
- Phyu, Y. L., St.J.Warne, M., and Lim, R. P. (2004). Toxicity of Atrazine and Molinate to the Cladoceran *Daphnia carinata* and the Effect of River Water and Bottom Sediment on Their Bioavailability. *Arch. Environ. Contam. Toxicol.* 46: 308-315.  
 EcoReference No.: 74233  
 Chemical of Concern: ATZ,MLT; Habitat: A; Effect Codes: MOR; Rejection Code: **Less sensitive endpoint.**
- Phyu, Y. L., Warne, M. S., and Lim, R. P. (2005). The Toxicity and Bioavailability of Atrazine and Molinate to *Chironomus tepperi* Larvae in Laboratory and River Water in the Presence and Absence of Sediment. *Chemosphere* 58: 1231-1239.  
 EcoReference No.: 81223  
 Chemical of Concern: ATZ,MLT; Habitat: A; Effect Codes: MOR; Rejection Code: **Less sensitive endpoint.**
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endpoint.

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Chemical of Concern:  
SZ,24DXY,ATZ,AZ,DBN,DMT,MLN,CuS,CrAC,SFL,HgCl2,NYP,Cd,Pb,Maneb,DDT,FML,PRN,EPRN, DLD,DPDP,PAQT,PL,ACY,ES,HCCH,MCRE,TI; Habitat: A; Effect Codes: MOR; Rejection Code: Less sensitive endpoint.
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Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM,PHY; Rejection Code: Less sensitive endpoint. Biochemical endpoints cannot be quantitatively linked to the selected assessment endpoints.
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EcoReference No.: 9980  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Endpoint Less Sensitive.**
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Chemical of Concern: MTL,PL,ZnCl<sub>2</sub>,TPR,24DXY,ATZ,DQTB<sub>r</sub>,FDE,GYP,HXZ; Habitat: A; Effect Codes: GRO,BCM,CEL; Rejection Code: Less sensitive endpoint.
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EcoReference No.: 69879  
Chemical of Concern: SXD,PAQT,ACF,ATZ,DU,FMU,NFZ,IMQ,DFP,HFP,CLT,BMN,DBN,DFQ,EDT,FDE,GYP,Cu; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**
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Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM,PHY; Rejection Code: **Less sensitive endpoint.**
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Chemical of Concern: ATZ; Habitat: A; Effect Codes: PHY; Rejection Code: **No effect at single test concentration. Less sensitive endpoint. Biochemical and osmoregulatory endpoints cannot be quantitatively linked to the selected assessment endpoints.**
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Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,REP; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
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Chemical of Concern: PNB,HCCH,ATZ,Cu,ADC,CLNB,PPN,PAQT,24DXY,THM,Captan; Habitat: T; Effect Codes: GRO; Rejection Code: **Less sensitive endpoint. Fungal endpoints not considered for this assessment.**
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Chemical of Concern: DEATZ,DIATZ,DCT; Habitat: T; Effect Codes: CEL,GRO,BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
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Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
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Chemical of Concern: ATZ; Habitat: T; Effect Codes: BEH,REP,GRO,BCM,CEL; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
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Chemical of Concern: ATZ,PMR,DDT; Habitat: A; Effect Codes: PHY; Rejection Code: **Less sensitive endpoint.**
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EcoReference No.: 4684  
Chemical of Concern: PMR,ATZ,DU,PYT,DEATZ,DIATZ,DCT; Habitat: A; Effect Codes: GRO,BCM,POP; Rejection Code: **Less sensitive endpoint.**
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EcoReference No.: 42840  
Chemical of Concern: PNB,SZ,ATZ,DU,24DXY,DBN,DMB,LNR,PMT,AMTL,CPP,MLH,PL,NaCLO,PCP,EPTC,2CP,4NP,AM TR,PCP,DLPCP,DL; Habitat: T; Effect Codes: GRO,REP,MOR; Rejection Code: **Less sensitive endpoint.**
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EcoReference No.: 18553  
Chemical of Concern: ATZ,CuS,Zn,Cr; Habitat: A; Effect Codes: CEL,BCM,ACC; Rejection Code: **Less sensitive endpoint; endpoint based on biochemical hemoglobin, which cannot be quantitatively linked to the selected assessment endpoints.**
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Chemical of Concern: ATZ; Habitat: A; Effect Codes: ACC,GRO,POP; Rejection Code: **Plant residue studies were not considered for this assessment.**
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EcoReference No.: 69614  
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
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Chemical of Concern: ATZ,SZ; Habitat: T; Effect Codes: BCM,GRO; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
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Chemical of Concern: ATZ,MLN,Folpet; Habitat: A; Effect Codes: MOR; Rejection Code: **Less sensitive endpoint.**
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Chemical of Concern: ATZ,CuCl; Habitat: A; Effect Codes: PHY,BCM,POP; Rejection Code: **Less sensitive endpoint.**

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Chemical of Concern: SZ,24DXY,ATZ,GYP,CuCl,Cr,Ag,Zn,Cd; Habitat: A; Effect Codes: POP,PHY; Rejection Code: **Less sensitive endpoint.**
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Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,MOR,CEL; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
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EcoReference No.: 73826  
Chemical of Concern: MLT,ATZ,BT; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
- Ugazio, G., Bosio, A., Nebbia, C., and Soffietti, M. G. (1991). Age-and Sex-Related Effects on Hepatic Drug Metabolism in Rats Chronically Exposed to Dietary Atrazine. *Res.Commun.Chem.Pathol.Pharmacol.* 73: 231-243.  
EcoReference No.: 81738  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,BEH,BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
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EcoReference No.: 78657  
Chemical of Concern: ATZ,CTC; Habitat: T; Effect Codes: BCM; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**
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EcoReference No.: 18763  
Chemical of Concern: Cu,PL,ATZ,Hg,Cd; Habitat: A; Effect Codes: PHY; Rejection Code: **Less sensitive endpoint.**
- Van der Heever, J. A. and Grobbelaar, J. U. (1998). In Vivo Chlorophyll a Fluorescence of *Selenastrum capricornutum* as a Screening Bioassay in Toxicity Studies. *Arch.Environ.Contam.Toxicol.* 35: 281-286.  
EcoReference No.: 19800  
Chemical of Concern: ATZ,AZ,CuCl,PL,Hg,Cd; Habitat: A; Effect Codes: BCM; Rejection Code: **Less sensitive endpoint.**
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EcoReference No.: 19854  
Chemical of Concern: ATZ,AZ,Cu,PL,Cd,Hg; Habitat: A; Effect Codes: PHY; Rejection Code: **Less sensitive endpoint.**
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EcoReference No.: 18440  
Chemical of Concern: ATZ,AZ,Cu,Cd,PL,Hg; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**

sensitive endpoint.

Versteeg, D. J. (1990). Comparison of Short- and Long-Term Toxicity Test Results for the Green Alga, *Selenastrum capricornutum*. In: W.Wang, J.W.Gorsuch, and W.R.Lower (Eds.), *Plants for Toxicity Assessment, ASTM STP 1091, Philadelphia, PA* 40-48.

EcoReference No.: 17639

Chemical of Concern: ATZ,CBL,SZ,PCP,Cu2O,Cd; Habitat: A; Effect Codes: PHY,POP; Rejection Code: **Less sensitive endpoint.**

Villeneuve, D. L., Coady, K., Hecker, M., Murphy, M. B., Jones, P. D., and Giesy, J. P. (2003). Methods Development for the Study of Mechanism of Action of Atrazine in Adult and Metamorphosing *Xenopus laevis* and *Rana clamitans*: Aromatase Induction. *Final Rep.MSU-01, Aquat.Toxicol.Lab., Mich.State Univ., Natl.Food Saf.and Toxicol.Ctr., E.Lansing, MI* 111 p.

EcoReference No.: 78086

Chemical of Concern: ATZ; Habitat: T; Effect Codes: BCM; Rejection Code: **In White Paper on Amphibians.**

Vos, J. G., Krajnc, E. I., Beekhof, P. K., and Van Logten, M. J. (1983). Methods for Testing Immune Effects of Toxic Chemicals: Evaluation of the Immunotoxicity of Various Pesticides in the Rat. In: J.Miyamoto and P.C.Kearney (Eds.), *Pesticide Chemistry: Human Welfare and the Environment, Volume 3, Pergamon Press, Oxford, England* 497-504.

EcoReference No.: 70803

Chemical of Concern: PNB,ATZ,DDT,EN,Pb,AZ,BMY,Captan,DU,ES,Zineb,HCN,TPTH; Habitat: T; Effect Codes: GRO,BCM,PHY,CEL; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**

Walsh, G. E. (1981). Effects of Pesticides and Industrial Wastes on Unicellular Algae and Seagrass. In: *Research and Development: Experimental Environments Branch, Prog.Rep.for Fiscal Year 1981, Unpubl.Lab.Data, U.S.EPA, ERL-Gulf Breeze, FL* 3-26.

EcoReference No.: 4803

Chemical of Concern: ATZ,CPY,PCP; Habitat: A; Effect Codes: PHY,MOR,POP; Rejection Code: **Less sensitive endpoint.**

Walsh, G. E., Hansen, D. L., and Lawrence, D. A. (1982). A Flow-Through System for Exposure of Seagrass to Pollutants. *Mar.Enviroin.Res.* 7: 1-11.

EcoReference No.: 11630

Chemical of Concern: PCP,ATZ; Habitat: A; Effect Codes: PHY; Rejection Code: **Less sensitive endpoint.**

Walsh, G. E., McLaughlin, L. L., Yoder, M. J., Moody, P. H., Lores, E. M., Forester, J., and Wessinger-Duvall, P. B. (1988). *Minutocellus Polymorphus*: A New Marine Diatom for Use in Algal Toxicity Tests.

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EcoReference No.: 13180

Chemical of Concern: Cd,Pb,Zn,TBT,CPY,ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**

Weiner, J. A., DeLorenzo, M. E., and Fulton, M. H. (2004). Relationship Between Uptake Capacity and Differential Toxicity of the Herbicide Atrazine in Selected Microalgal Species. *Aquat.Toxicol.* 68: 121-128.

EcoReference No.: 78648

Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP,ACC; Rejection Code: **Less sensitive endpoint.**

Wetzel, L. T., Luempert, L. G. I., Breckenridge, C. B., Tisdell, M. O., Stevens, J. T., Thakur, A. K., Extrom, P. J., and Eldridge, J. C. (1994). Chronic Effects of Atrazine on Estrus and Mammary Tumor Formation in Female Sprague-Dawley and Fischer 344 Rats. *J.Toxicol.Environ.Health* 43: 169-182.

EcoReference No.: 55538



Chemical of Concern: ATZ; Habitat: T; Effect Codes: PHY; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**

Wiegand, C., Krause, E., Steinberg, C., and Pflugmacher, S. (2001). Toxicokinetics of Atrazine in Embryos of the Zebrafish (*Danio rerio*). *Ecotoxicol. Environ. Saf.* 49: 199-205.

EcoReference No.: 62460

Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM,GRO; Rejection Code: **Less sensitive endpoint.**

Wiegand, C., Pflugmacher, S., Giese, M., Frank, H., and Steinberg, C. (2000). Uptake, Toxicity, and Effects on Detoxication Enzymes of Atrazine and Trifluoroacetate in Embryos of Zebrafish. *Ecotoxicol. Environ. Saf.* 45: 122-131.

EcoReference No.: 55587

Chemical of Concern: ATZ; Habitat: A; Effect Codes: MOR,BCM,ACC; Rejection Code: **Less sensitive endpoint.**

Wilkins, R. M. and Metcalfe, R. J. (1993). Toxicity of Soil Applied Herbicides to Brine Shrimp Larvae (*Artemia salina*) and Synergism with Other Pesticides. *Brighton Crop Prot. Conf.- Weeds* 1: 163-74.

EcoReference No.: 70574

Chemical of Concern: SZ,ATZ,CBF,MLN,BMC; Habitat: A; Effect Codes: MOR; Rejection Code: **Less sensitive endpoint.**

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EcoReference No.: 72076

Chemical of Concern: ATZ,Zn,ACR,BT; Habitat: T; Effect Codes: MOR; Rejection Code: **In Vitro**

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EcoReference No.: 78019

Chemical of Concern: SZ,AMTR,CZE,ATZ; Habitat: T; Effect Codes: BCM,MOR; Rejection Code: **Biochemical. No effect at any test concentration.**

Zagore-Koncan, J. (1996). Effects of Atrazine and Alachlor on Self-Purification Processes in Receiving Streams. *Water Sci. Technol.* 33: 181-187.

EcoReference No.: 71615

Chemical of Concern: ATZ,ACR; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**

Zeljezic, D. and Garaj-Vrhovac, V. (2004). Genotoxicity Evaluation of Pesticide Formulations Containing Alachlor and Atrazine in Multiple Mouse Tissues (Blood, Kidney, Liver, Bone Marrow, Spleen) by Comet Assay. *Neoplasma* 51: 198-203.

EcoReference No.: 80768

Chemical of Concern: ACR,ATZ; Habitat: T; Effect Codes: MOR,CEL; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment.**

Zou, E. and Bonvillain, R. (2004). Chitinase Activity in the Epidermis of the Fiddler Crab, *Uca pugilator*, as an In Vivo Screen for Molt-Interfering Xenobiotics. *Comp. Biochem. Physiol. C* 139: 225-230.

EcoReference No.: 81669

Chemical of Concern: DDT,MTPN,DLD,PMR,TBT,ATZ; Habitat: A; Effect Codes: BCM,MOR; Rejection Code: **No effect at the single test concentration. Biochemical enzymatic endpoints cannot be quantitatively linked to the selected assessment endpoints.**

**ATRAZINE post-IREDD (October 2003 - February 2006): Acceptable for ECOTOX but not OPP**

Aanes, K. J. (1992). Some Pesticides Used in Norwegian Agriculture and Their Environmental Effects on Common

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EcoReference No.: 19224  
Chemical of Concern: DMT,ATZ,GYP,SZ,CSF,PCZ,DPP,ES,MCPA; Habitat: A; Effect Codes: MOR,SYS,BEH,GRO; Rejection Code: NO CONTROL(DMT,SZ,MCPA,ES,DPP,GYP,ATZ,CSF),ENDPOINT(PCZ).
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EcoReference No.: 70695  
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: REP,GRO; Rejection Code: TARGET(SZ,ATZ).
- Aberg, E. (1976). Effect of Triazine Herbicides on the Production of Plant Proteins. *Vaxtodling* 30: 41 p.  
EcoReference No.: 71524  
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: POP,BCM; Rejection Code: TARGET(SZ,ATZ).
- Abou-Waly, H., Abou-Setta, M. M., Nigg, H. N., and Mallory, L. L. (1991). Dose-Response Relationship of *Anabaena flos-aquae* and *Selenastrum capricornutum* to Atrazine and Hexazinone Using Chlorophyll(a) Content and <sup>14</sup>C Uptake. *Aquat. Toxicol.* 20: 195-204.  
EcoReference No.: 5322  
Chemical of Concern: ATZ,HXZ; Habitat: A; Effect Codes: BCM; Rejection Code: NO ENDPOINT(ALL CHEMS).
- Adkins, S. W., Wills, D., Boersma, M., Walker, S. R., Robinson, G., McLeod, R. J., and Einam, J. P. (1997). Weeds Resistant to Chlorsulfuron and Atrazine from the North-East Grain Region of Australia. *Weed Res.* 37: 343-349.  
EcoReference No.: 72914  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: TARGET(ATZ).
- Agrawal, S. B., Tomar, G. S., and Dubey, K. M. (1994). Effect of Atrazine Under Different Nitrogen Levels on Forage Yield of Sorghum (*Sorghum bicolor* (L.) Moench). *Crop Res.* 7: 190-192.  
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Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(ATZ).
- Akkanen, J. and Kukkonen, J. V. K. (2001). Effects of Water Hardness and Dissolved Organic Material on Bioavailability of Selected Organic Chemicals. *Environ. Toxicol. Chem.* 20: 2303-2208.  
EcoReference No.: 63524  
Chemical of Concern: PAH,ATZ; Habitat: A; Effect Codes: ACC; Rejection Code: NO CONTROL(ALL CHEMS).
- Akkanen, J., Penttinen, S., Haitzer, M., and Kukkonen, J. V. K. (2001). Bioavailability of Atrazine, Pyrene and Benzo(a)pyrene in European River Waters. *Chemosphere* 45: 453-462.  
EcoReference No.: 61870  
Chemical of Concern: ATZ,PAH; Habitat: A; Effect Codes: ACC; Rejection Code: NO CONTROL(ALL CHEMS).
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EcoReference No.: 542  
Chemical of Concern: 24DXY,ATZ,CMPH,DBN,DZ,PQT,SZ,ACL,DZM,TFN,TBT,PYZ,FUR,NaPCP; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).
- Aladesanwa, R. D., Adenawoola, A. R., and Olowolafe, O. G. (2001). Effects of Atrazine Residue on the Growth and Development of *Celosia* (*Celosia argentea*) Under Screenhouse Conditions in Nigeria. *Crop Prot.* 20:



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EcoReference No.: 79511  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(ATZ).
- Almeida, R. G., Florio, J. C., Spinosa, H. S., and Bernardi, M. M. (2002). Comparative Effects of Maternal Prenatal and Postnatal Exposures to Astemizole on Reproductive Parameters of Rats. *Neurotoxicol.Teratol.* 24: 255-265.  
EcoReference No.: 81465; Habitat: T; Effect Codes: GRO,REP; Rejection Code: NO COC(ATZ).
- Altenburger, R., Bodeker, W., Faust, M., and Grimme, L. H. (1990). Evaluation of the Isobologram Method for the Assessment of Mixtures of Chemicals. *Ecotoxicol.EnvIRON.Saf.* 20: 98-114.  
EcoReference No.: 3023  
Chemical of Concern: ATZ,AMTL,MBZ,GFS; Habitat: A; Effect Codes: PHY,GRO,REP,POP; Rejection Code: NO CONTROL(ALL CHEMS).
- Anderson, R. L. (1990). No-Till Proso Millet Production. *Agron.J.* 82: 577-580.  
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Chemical of Concern: ATZ; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(ATZ).
- Anderson, R. L. and Greb, B. W. (1987). Residual Herbicides for Weed Control in Proso Millet (*Panicum miliaceum* L.). *Crop Prot.* 6: 61-63.  
EcoReference No.: 78676  
Chemical of Concern: PPZ,MBZ,CZE,ATZ; Habitat: T; Effect Codes: GRO,PHY; Rejection Code: LITE EVAL CODED(PPZ),OK(ALL CHEMS),OK TARGET(ATZ).
- Anhalt, J. C., Arthur, E. L., Anderson, T. A., and Coats, J. R. (2000). Degradation of Atrazine, Metolachlor, and Pendimethalin in Pesticide-Contaminated Soils: Effects of Aged Residues on Soil Respiration and Plant Survival. *J.EnvIRON.Sci.Health Part B* 35: 417-38.  
EcoReference No.: 73903  
Chemical of Concern: MTL,ATZ,PDM; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT(MTL),TARGET(ATZ).
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EcoReference No.: 6308  
Chemical of Concern: ATZ,MP,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: NO ENDPOINT(ALL CHEMS).
- Appleby, A. P. and Somabhi, M. (1978). Antagonistic Effect of Atrazine and Simazine on Glyphosate Activity. *Weed Sci.* 26: 135-139.  
EcoReference No.: 41478  
Chemical of Concern: SZ,ATZ,GYP; Habitat: T; Effect Codes: GRO,PHY; Rejection Code: OK(ALL CHEMS),OK TARGET(ATZ,SZ).
- Applegate, V. C., Howell, J. H., Hall, A. E. Jr., and Smith, M. A. (1957). Toxicity of 4,346 Chemicals to Larval Lampreys and Fishes. *Spec.Sci.Rep.Fish.No.207, Fish Wildl.Serv., U.S.D.I., Washington, D.C.* 157 p.  
EcoReference No.: 638  
Chemical of Concern: 24DXY,DZ,HCCH,MLN,MP,ACL,NAA,NYP,CST,Cu,RTN,NaN3,Ni,CuS,PCP,NaPCP,NaCr,DBAC,Zn, ATZ; Habitat: A; Effect Codes: BEH,MOR; Rejection Code: NO ENDPOINT(ALL CHEMS).
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Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(SZ,ATZ).

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EcoReference No.: 18852  
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM; Rejection Code: NO ENDPOINT(ALL CHEMS).
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EcoReference No.: 42644  
Chemical of Concern: 24DXY,ATZ,BMC,DBN,TFN,PAQT,EPTC; Habitat: T; Effect Codes: PHY,CEL,BCM; Rejection Code: NO ENDPOINT(ALL CHEMS) .
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EcoReference No.: 42102  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: PHY; Rejection Code: NO ENDPOINT(ATZ).
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Chemical of Concern: ATZ; Habitat: T; Effect Codes: CEL; Rejection Code: TARGET(ATZ).
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EcoReference No.: 43990  
Chemical of Concern: TFN,EDT,24DXY,ATZ,BMC,BMN,BS,DBN,DMB; Habitat: T; Effect Codes: BCM,GRO; Rejection Code: NO ENDPOINT(ALL CHEMS).
- Ashton, F. M. and Uribe, E. G. (1962). Effect of Atrazine on Sucrose-C14 and Serine-C14 Metabolism. *Weeds* 10: 295-297.  
EcoReference No.: 30757  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: TARGET(ATZ).
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EcoReference No.: 63367  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,POP; Rejection Code: TARGET(ATZ).
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EcoReference No.: 26484  
Chemical of Concern: ATZ; Habitat: T; Rejection Code: NO FOREIGN.
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Chemical of Concern: ATZ; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(ATZ).
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Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: ACC; Rejection Code: TARGET(SZ,ATZ).
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EcoReference No.: 81668  
Chemical of Concern: ATZ; Habitat: T; Effect Codes: ACC; Rejection Code: NO CONTROL,ENDPOINT(ALL CHEMS).
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EcoReference No.: 63528  
Chemical of Concern: ATZ; Habitat: T; Rejection Code: TARGET(ATZ).
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EcoReference No.: 56310  
Chemical of Concern: ATZ,HCCH,PCP; Habitat: T; Effect Codes: GRO; Rejection Code: NO FOREIGN.
- Balyan, R. S. and Bhan, V. M. (1989). Competing Ability of Maize, Pearl Millet, Mung bean and Cowpea with Carpetweed Under Different Weed Management Practices. *Crop Res.(Hisar)* 2: 147-153.  
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Chemical of Concern: ATZ; Habitat: T; Effect Codes: BCM,GRO,POP; Rejection Code: TARGET(ATZ).
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EcoReference No.: 79733  
Chemical of Concern: ATZ,Pb; Habitat: T; Effect Codes: BCM,ACC; Rejection Code: TARGET(ATZ).
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EcoReference No.: 7453

Chemical of Concern: CBL,HCCH,NaCr,CN,FUR,CuS,BZO,As,Ni,Cd,Se,ATZ,Pb,AMSV,NaBr; Habitat: A; Effect Codes: POP; Rejection Code: NO FOREIGN(ALL CHEMS).

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EcoReference No.: 19121

Chemical of Concern: ATZ,CBL,HCCH,NaCr,CN,FUR,CuS,BZO,As,Ni,Zn,Ag,Cd,Pb,AMSV,NaBr,Se; Habitat: A; Effect Codes: POP; Rejection Code: NO FOREIGN(ALL CHEMS).

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EcoReference No.: 15134

Chemical of Concern:

Be,Cd,Ag,CuS,Ni,SFL,HgCl<sub>2</sub>,ATZ,LNR,Pb,CN,DNT,24DC,FRN,PL,CBZ,MCRE,ETHB,FUR,NBZ,PHT H,3CE,NP,AN,CBL,CF,HCCH,ATC,Urea,CTC,NaCr,Cu,BZO,As,Se,AMSV,NaBr; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

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Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: POP,REP; Rejection Code: TARGET(SZ,ATZ).

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Chemical of Concern: ATZ,24DXY; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(ATZ).

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 Chemical of Concern: BNZ,3CE,PCP,ATZ,HCCH,4NP; Habitat: AT; Effect Codes: GRO,POP,MOR,BEH; Rejection Code: NO CONTROL(ALL CHEMS).
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 Chemical of Concern: ATZ,PPZ,PRT,DS,CBF,PCH; Habitat: T; Effect Codes: MOR; Rejection Code: OK(PCH,CBF,DS),NO MIXTURE(PPZ,ATZ),OK TARGET(PRT).
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 Chemical of Concern:  
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Chemical of Concern:

ACF,CLT,CMZ,CZE,FZF,FMU,FSF,HFP,IMQ,IZT,LCF,MTZ,MBZ,DMM,MSMA,BMN,BT,DMB,24DXY,ATZ,ACR,PDM,DU,OXF,LNR,PMT,MTL,PAQT,NSF,NFZ,PYD,SXD,THFM,TFN,24DB; Habitat: T; Effect Codes: POP,PHY; Rejection Code: OK(MTL),TARGET(SXD,DMB,ATZ).

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Chemical of Concern:

MTL,PYD,SYD,PMT,TFN,PMD,24DXY,24BF,QZF,PAQT,OXF,NFZ,ACF,ACR,ATZ,BT,BMN,CRM,CLT,CMZ,CZE,DU,FZFP,FMU,FSF,IMQ,IZT,LCF,FNP,LNR,MTZ,MBZ,MSMA,NSF; Habitat: T; Effect Codes: POP,PHY; Rejection Code: NO MIXTURE(MTL),OK(24DXY),TARGET(ATZ).

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Chemical of Concern: PPZ,BT,DU,ACR,LNR,ATZ; Habitat: T; Effect Codes: PHY,GRO; Rejection Code: OK(ALL CHEMS),OK TARGET(ATZ).

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Chemical of Concern: ATZ,BMC,MBZ,LNR,PMB,BMN,BT,PMT,DU,TET,DMM; Habitat: T; Effect Codes: PHY; Rejection Code: TARGET(ATZ).

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Chemical of Concern: PCP,24DXY,BZO,CYP,PNB,ATZ,CBL,DBN,HCCH; Habitat: A; Effect Codes: ACC; Rejection Code: NO CONTROL(ALL CHEMS).

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Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: GRO,POP; Rejection Code:  
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Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(SZ,ATZ).

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EcoReference No.: 73807

Chemical of Concern: PMS,PQT,ATZ,NSF,24DXY,DMB; Habitat: T; Effect Codes: POP; Rejection Code: NO COC(MTL),MIXTURE(24DXY),TARGET(DMB,ATZ).

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Chemical of Concern: ATZ,PCP; Habitat: A; Effect Codes: ACC; Rejection Code: NO CONTROL(ALL CHEMS).

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Chemical of Concern: ATZ; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(ATZ).

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 Chemical of Concern: MCPB,MCPA,MBZ,ATZ,BT,BMN,PCL,DMB,PAQT,GYP,24DB,24DXY,CPR,CRM; Habitat: T; Effect Codes: PHY,REP,GRO; Rejection Code: OK TARGET(MCPB,ATZ),NO MIXTURE(PCL,BMN).
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EcoReference No.: 73776

Chemical of Concern:

ACR,ATZ,BT,DMB,DU,MTL,MBZ,DMM,PDM,ACF,BFL,24DXY,EPTC,FZFB,PCL,SXD,TFN,VNT;  
Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS,TARGET-ATZ).

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Chemical of Concern: DS,PCP,CPH,DZ,ES,Cd,PAQT,MP,PTP,MTL,ATZ,3CE,4CE,FA,ISO,EN,DS,SZ;  
Habitat: A; Effect Codes: BEH,MOR; Rejection Code: NO CONTROL(ALL CHEMS).

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Chemical of Concern: ATZ,SZ,ACR,CZE; Habitat: T; Effect Codes: GRO; Rejection Code: OK TARGET(ATZ,SZ),OK(ALL CHEMS).

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Chemical of Concern: SZ,ATZ,DMM,ACR,MBZ,CZE; Habitat: T; Effect Codes: PHY,POP; Rejection Code: NO ENDPOINT(SZ,ATZ).

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 Chemical of Concern: ATZ,HCCH,CHD; Habitat: A; Effect Codes: ACC; Rejection Code: NO CONTROL(ALL CHEMS).
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Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: POP,GRO; Rejection Code: TARGET(SZ,ATZ).

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Chemical of Concern: ATZ,DDT,DU,GYP,MPCA,24DXY,THM; Habitat: A; Effect Codes: POP,GRO; Rejection Code: NO ENDPOINT(ALL CHEMS).

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Chemical of Concern: ATZ,PDM,CZE; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS,TARGET-ATZ).

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Chemical of Concern: ATZ,ACR; Habitat: T; Effect Codes: PHY,POP; Rejection Code: NO ENDPOINT,CONTROL(ALL CHEMS).

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Chemical of Concern: ATZ,DMM,MBZ,MCPB,PZM,CZE,24DB; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: OK(ALL CHEMS),OK TARGET(ATZ,MCPB).

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Chemical of Concern: SZ,ATZ,EFL,LNR,TFN; Habitat: T; Effect Codes: POP; Rejection Code: OK TARGET(ATZ,SZ),OK(ALL CHEMS).

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AS(24DXY,ABT,ACL,AMTL,AMTR,ASM,ATN,AZ,BFL,BMC,BMN,BS,BTY,CCA,CMPH,CPP,CPY,C QTC,CTHM,DBN,DCB,DCNA,DDT,DINO,DOD,DPP,DQTB,DU,DZM,EP,EPTC,ES,FMU,FNF,FNT,F olpet,HCCH,HPT,LNR,MCB,MCPP,MLT,MP,MRX,MTM,MXC,Naled,NPM,Pb,PCH,PCL,PEB,PHSL,P PN,PPZ,PQT,PRO,PYN,PYZ,RTN,RYA,SFT,SID,TFN,THM,TRL,VNT),NO CONTROL,DURATION(ALL CHEMS).

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Chemical of Concern: ATZ,HCCH,MP,Cu,CuS,PCP; Habitat: A; Effect Codes: REP; Rejection Code: NO FOREIGN.

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Chemical of Concern: PPZ,ATZ,SZ; Habitat: T; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(PPZ),OK(ALL CHEMS),OK TARGET(ATZ).

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Chemical of Concern:

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Chemical of Concern: ACL,Captan,TMT,ATZ,ACR,EPTC,MITC; Habitat: T; Effect Codes: BCM; Rejection Code: OK(EPTC,Captan,MITC),NO IN VITRO(ACL,ACR,ATZ,TMT).

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Chemical of Concern: AMTL,PCL,EPTC,PCH,PPN,TFN,DMB,DBN,DU,ATZ; Habitat: T; Effect Codes: BCM; Rejection Code: OK TARGET(ATZ,DMB),OK(ALL CHEMS).

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Chemical of Concern: ATZ,CZE; Habitat: T; Effect Codes: POP,PHY; Rejection Code: TARGET(ATZ).

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Chemical of Concern: ATZ,DU,SZ; Habitat: T; Effect Codes: GRO,PHY,MOR; Rejection Code: OK TARGET(ATZ,SZ),OK(ALL CHEMS).

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Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,ACC; Rejection Code: NO ENDPOINT(ATZ).

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 Chemical of Concern: MTL,ACR,DU,PDM,ATZ,24DXY,BTC; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),OK(ALL CHEMS),OK TARGET(ATZ).
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 Chemical of Concern: TBA,CBX,OXZ,Zineb,Zn,ATZ,SZ,PMT,BMC,TRB,PPHD,FNT,MP,DDVP,TCF,PNB; Habitat: T; Effect Codes: CEL; Rejection Code: OK TARGET(SZ,ATZ).
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 Chemical of Concern: ATZ,PRO,MTL,DV,PPF,CPY,ES; Habitat: A; Effect Codes: MOR,PHY; Rejection Code: NO ENDPOINT,CONTROL(ALL CHEMS).
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 Chemical of Concern: MTL,THF,BMN,MBZ,DMM,ACR,ACO,ATZ,PDM,CZE,LNR,DMB,PYD,24DXY; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(DMB,ATZ).
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 Chemical of Concern: SZ,PPZ,ATZ,AMTR,PRO,PMT; Habitat: T; Effect Codes: GRO,CEL; Rejection Code: LITE EVAL CODED(PPZ),OK(ALL CHEMS),OK TARGET(ATZ,SZ).
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 Chemical of Concern: ATZ; Habitat: T; Effect Codes: ACC; Rejection Code: TARGET(ATZ).

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Chemical of Concern: ATZ; Habitat: T; Rejection Code: TARGET(ATZ).

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Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: PHY; Rejection Code: NO MIXTURE(SZ),TARGET(ATZ).

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Chemical of Concern: ATZ,PPZ,CZE,PCH,EPTC,LNR,BTY; Habitat: T; Effect Codes: PHY,GRO,POP; Rejection Code: LITE EVAL CODED(PPZ),NO MIXTURE(LNR,EPTC,BTY),OK(CZE,PCH),OK TARGET(ATZ).

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Chemical of Concern: MTL,ATZ,ACR; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT(MTL),TARGET(ATZ).

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Chemical of Concern: ATZ,DU,HCCH,TDZ; Habitat: A; Effect Codes: BCM; Rejection Code: NO CONTROL,ENDPOINT(ALL CHEMS).

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Chemical of Concern: ATZ,24DXY; Habitat: T; Effect Codes: MOR,POP; Rejection Code: TARGET(ATZ).

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EcoReference No.: 70514

Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: POP,PHY; Rejection Code: TARGET(SZ,ATZ).

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EcoReference No.: 41486

Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO; Rejection Code: OK TARGET(ATZ).

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EcoReference No.: 10258

Chemical of Concern:

3CE,AC,AMTL,AMTR,AND,As,ATZ,BMC,BS,Captan,CBL,CPA,CPY,CTN,Cu,DBN,DCPA,DDT,DDV P,DLD,DMB,DMT,DPA,DSMA,DU,DZ,EDB,EDC,EN,EPTC,ES,ETN,Fe,FLAC,FML,FNT,FNTH,HCC H,Hg,HPT,LNR,MCAP,MCPB,MCPB,MDT,MLN,MOM,MP,MTAS,NALED,Ni,NTCN,OPHP,Pb,PCB,PCP,PCZ,PEB,PHMD,PHSL,PHTH,PMT,PNB,PPX,PPZ,PRN,PSM,PYN,SFL,SID,STREP,SZ,TBC,TFN,THM,TPE,TPH,TPM,TRN,Zn; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).

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EcoReference No.: 6954

Chemical of Concern:

ACP,ACR,ATZ,BMC,BT,Captan,CPY,CTN,Cu,CuOH,CuS,DMT,DU,DZ,Folpet,HCCH,LNR,MAL,MDT,MLN,MOM,PCP,PEB,PHMD,PMT,PNB,PPG,PQT,PSM,TBC,TFN,RTN,CuCl,PPZ; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).

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Chemical of Concern:

ATZ,Captan,CBL,CTN,DBN,DMB,DMT,DU,DZ,HCCH,LNR,MLN,MP,PMT,PSM,SZ,24DXY,MCPB,N aPCP,PPZ,ZIRAM,PRN,MP,MLN,ETN,DDT,DLD,MCPA; Habitat: A; Effect Codes: MOR; Rejection Code: NO FOREIGN.

Nishiuchi, Y. and Hashimoto, Y. (1969). Toxicity of Pesticides to Some Fresh Water Organisms. *Rev.Plant Prot.Res.* 2: 137-139.

EcoReference No.: 2682

Chemical of Concern: SZ,24DXY,ATZ,Captan,HCCH,MLN,PRN,DDT,MCPA,Ziram,PPN,PCP; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).

Noll, M. and Bauer, U. (1974). Phormidium Autumnale as Indicator Organism for Algicidal Substances in Water. *U.S.EPA-OPP Registration Standard*.

EcoReference No.: 13030

Chemical of Concern: 24DXY,ATZ,DU,LNR,SZ,PAQT; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT(ALL CHEMS).

O'Donovan, J. T. and Prendeville, G. N. (1975). Shoot Zone Uptake of Soil-Applied Herbicides in Some Legume Species. *Weed Res.* 15: 413-417.

EcoReference No.: 43430

Chemical of Concern: SZ,ATZ,PMT,TFN,CNR,DU; Habitat: T; Effect Codes: GRO; Rejection Code: OK TARGET(ATZ,SZ),OK(ALL CHEMS).

Obermeier, M. R. and Kapusta, G. (1996). Postemergence Broadleaf Weed Control in Corn (Zea mays) with CGA-152005. *Weed Technol.* 10: 689-698.

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Chemical of Concern:

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EcoReference No.: 56747

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Chemical of Concern: ACR,MBZ,MTL,DMM,ATZ; Habitat: A; Effect Codes: REP,MOR; Rejection Code: LITE EVAL CODED(MTL),NO MIXTURE(ATZ),OK(ACR,MBZ,DMM).

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Chemical of Concern: ATZ,BMY,DMT; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).
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Chemical of Concern: 24DXY,24DXYEE,PPA,MCPA,LNR,DU,TRL,ATZ,SZ,PRO,PPZ,DMB,BMC,DBN,PCLK; Habitat: T; Effect Codes: GRO,PHY,MOR; Rejection Code: NO ENDPOINT,CONTROL(ATZ,SZ),OK(24DXY,24DXYEE,PPA,MCPA,LNR,DU,TRL,PRO,PPZ,DMB,BMC,DBN,PCLK).
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Chemical of Concern: ATZ,MBZ,SFS,TKY; Habitat: T; Effect Codes: MOR,PHY,POP; Rejection Code: OK TARGET(ATZ),OK(ALL CHEMS).
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Chemical of Concern: ATZ,PRN,DZ,Captan,CBL,MLN,24DXY,TXP,MXC; Habitat: A; Effect Codes: GRO; Rejection Code: NO ENDPOINT(ALL CHEMS) .
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- EcoReference No.: 41359

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Chemical of Concern: ATZ; Habitat: T; Effect Codes: MOR,POP,PHY; Rejection Code: NO ENDPOINT(TARGET-ATZ).
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Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: POP,BCM; Rejection Code: TARGET(SZ,ATZ).
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Chemical of Concern: ATZ,ACR,PAQT,MBZ; Habitat: T; Effect Codes: POP,PHY; Rejection Code: TARGET(ATZ).
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Chemical of Concern: 24DXY,ATZ; Habitat: A; Effect Codes: POP; Rejection Code: NO FOREIGN(ALL CHEMS).
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Chemical of Concern: ATZ,DBN; Habitat: A; Effect Codes: POP; Rejection Code: NO FOREIGN(ALL CHEMS).

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Chemical of Concern: ATZ; Habitat: T; Effect Codes: CEL; Rejection Code: OK TARGET(ATZ).

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EcoReference No.: 73750

Chemical of Concern: MTL,EFS,CZE,IMQ,ATZ,HFP,FZF,SXD,PYZ,ACR,LNR,PDM,DDP,SZ,MBZ; Habitat: T; Effect Codes: PHY,POP; Rejection Code: OK TARGET(SXD,SZ,PYZ,ATZ).

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Chemical of Concern: ATZ,SZ,GYP,PAQT; Habitat: T; Effect Codes: MOR,PHY,POP; Rejection Code: OK TARGET(ATZ,SZ),OK(GYP,PAQT).

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Chemical of Concern: ATZ,DBN,24DXY,GYP; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT(ALL CHEMS).
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EcoReference No.: 69997

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Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: GRO,POP; Rejection Code: TARGET(SZ,ATZ).
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EcoReference No.: 17164  
Chemical of Concern: Cu,Hg,DM,FNT,FNV,MXC,ATZ,24DXY,TRL,TFN; Habitat: A; Effect Codes:  
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Chemical of Concern: ATZ,DU; Habitat: A; Effect Codes: REP; Rejection Code: NO FOREIGN.

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User 1 Abbreviation: www.sciencedirect.com (1995-Present)  
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Chemical of Concern: ATZ,BNZ,TOL; Habitat: A; Effect Codes: PHY,BCM,GRO; Rejection Code:  
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Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(SZ,ATZ).
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Chemical of Concern: DU,ATZ; Habitat: A; Effect Codes: MOR,PHY,BCM,GRO; Rejection Code: NO ENDPOINT(ATZ),OK(DU).
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Chemical of Concern: ATZ; Habitat: T; Rejection Code: TARGET(ATZ).
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Chemical of Concern: MSMA,FMU,PMT,CNT,DMB,DU,ATZ,24DXY,LNR,PPZ; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PPZ),OK TARGET(ATZ,DMB),OK(ALL CHEMS).
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Chemical of Concern: ATZ,SZ,BS; Habitat: T; Effect Codes: POP,PHY; Rejection Code: TARGET(SZ,ATZ).

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Chemical of Concern: ATZ,SZ; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(SZ,ATZ).
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Chemical of Concern: SZ,ATZ,NTP; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(SZ,ATZ).
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Chemical of Concern: SZ,ATZ,NTP; Habitat: T; Effect Codes: BCM,POP; Rejection Code: TARGET(SZ,ATZ).
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Chemical of Concern: CBF,MLN,MP,CBL,DZ,MVP,24DXY,PRN,ATZ; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT(ALL CHEMS),MIXTURE(ATZ).
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Chemical of Concern: ATZ,DU; Habitat: T; Effect Codes: BCM,GRO,PHY; Rejection Code: NO ENDPOINT(ATZ).
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- EcoReference No.: 9275  
Chemical of Concern: ATZ,DS,DDVP,FNT,PRN,PTP,ES,ODL,Zineb; Habitat: A; Effect Codes: CEL,ACC; Rejection Code: NO ENDPOINT(ALL CHEMS).
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Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: POP,BCM; Rejection Code: TARGET(SZ,ATZ).
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Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM,PHY,POP; Rejection Code: NO ENDPOINT(ATZ).



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EcoReference No.: 13448

Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ATZ).

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EcoReference No.: 29010

Chemical of Concern: SZ,ATZ; Habitat: T; Rejection Code: NO MIXTURE(ALL CHEMS except GYP,TARGET-ATZ).

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EcoReference No.: 80769

Chemical of Concern: ATZ; Habitat: T; Effect Codes: ACC,BCM; Rejection Code: TARGET(ATZ).

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EcoReference No.: 42349

Chemical of Concern: ATZ,DU,SZ; Habitat: T; Effect Codes: POP,GRO; Rejection Code: OK TARGET(ATZ,SZ),OK(ALL CHEMS).

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EcoReference No.: 71827

Chemical of Concern: Hg,ATZ,PMR; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

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EcoReference No.: 71930

Chemical of Concern: ATZ,PMR; Habitat: A; Effect Codes: POP,PHY; Rejection Code: NO ENDPOINT(ALL CHEMS).

Streit, B. (1978). Uptake, Accumulation, and Release of Organic Pesticides by Benthic Freshwater Invertebrates. 1. Reversible Accumulation of Atrazine from Aqueous. *Arch.Hydrobiol.Suppl.* 55: 1-23 (GER) (ENG ABS).

EcoReference No.: 7185

Chemical of Concern: ATZ; Habitat: A; Effect Codes: ACC; Rejection Code: NO FOREIGN(ATZ).

Streit, B. (1979). Uptake, Accumulation, and Release of Organic Pesticides by Benthic Invertebrates. 3. Distribution of <sup>14</sup>C-Atrazine and <sup>14</sup>C-Lindane in an Experimental Three-Step Food Chain Microcosm. *Arch.Hydrobiol.Suppl.* 55: 373-400.

EcoReference No.: 79250

Chemical of Concern: HCCH,ATZ; Habitat: A; Effect Codes: ACC,GRO; Rejection Code: NO CONTROL(ALL CHEMS).

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Chemical of Concern: ATZ; Habitat: A; Effect Codes: ACC; Rejection Code: NO FOREIGN(ATZ).
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Chemical of Concern: ATZ,PAQT; Habitat: T; Effect Codes: CEL; Rejection Code: OK(ALL CHEMS),OK TARGET(ATZ).
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Chemical of Concern: ATZ; Habitat: T; Rejection Code: TARGET(ATZ).
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Chemical of Concern: ATZ,Pb; Habitat: AT; Effect Codes: ACC,GRO; Rejection Code: NO ENDPOINT(ALL CHEMS).
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Chemical of Concern: ATZ,PAQT; Habitat: T; Effect Codes: GRO,MOR,REP; Rejection Code: NO ENDPOINT(ALL CHEMS).
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Chemical of Concern: SZ,ATZ,DU; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(SZ,ATZ).
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Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: POP,PHY; Rejection Code: TARGET(SZ,ATZ).
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Chemical of Concern: ATZ; Habitat: T; Effect Codes: POP; Rejection Code: NO COC(SZ,ATZ).
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Chemical of Concern: ATZ,PSM,CuS; Habitat: A; Effect Codes: MOR; Rejection Code: NO FOREIGN.

Svobodova, Z. and Vykusova, B. (1988). Comparing the Sensitivity of Rainbow Trout and Rasbora heteromorpha to Various Toxic Substances (Porovnaní Citlivosti Pstruha Duhového a Razbory Klinoskvrnné k Různým Cizorodým Latkám). *Bul. Vyzk. Ústav Ryb. Hydrobiol. Vodnany* 24: 14-19 (CZE) (ENG ABS).

EcoReference No.: 315

Chemical of Concern: ATZ,MTL; Habitat: A; Effect Codes: MOR; Rejection Code: NO FOREIGN(ALL CHEMS).

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EcoReference No.: 81755

Chemical of Concern: ATZ,DDVP; Habitat: T; Effect Codes: GRO,MOR; Rejection Code: NO ENDPOINT(ALL CHEMS).

Taiwo, L. B. and Oso, B. A. (1997). The Influence of Some Pesticides on Soil Microbial Flora in Relation to Changes in Nutrient Level, Rock Phosphate Solubilization and P Release Under Laboratory Conditions. *Agric. Ecosyst. Environ.* 65: 59-68.

User 1 Abbreviation: (ScienceDirect 1995-Present)

EcoReference No.: 73237

Chemical of Concern: PYN,ATZ,MTL; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE(MTL,ATZ).

Talbert, R. E., Kendig, J. A., Earnest, L. D., Guy, C., Barnes, C. J., Lavy, T. L., Frans, R. E., and Oliver, L. R. (1989). Winter Wheat Response to Carryover from Herbicides Used on Corn, Cotton, Grain Sorghum and Soybeans. *Ark. Agric. Exp. Stn. Res. Ser.* 394: 1-50.

EcoReference No.: 73915

Chemical of Concern:

MTL,ACF,ACR,ATZ,TFN,BFL,BT,BMN,CRM,DU,FNP,FZFP,FSF,HFP,IMQ,IZT,LCF,LNR,MTZ,MBZ ,NFZ,MSMA,OXF,PAQT,PDM,PMS,PMT,PYD,QZF,SDX,24DXY,24DB,CLT,CMZ,CZE,DMB,DMM; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(MTL),TARGET(DMB,ATZ).

Talbert, R. E., Tierney, M. J., Carey III, V. F., and Kitt, M. J. (1994). Field Evaluations of Herbicides on Small Fruit, Vegetable and Ornamental Crops, 1993. *Ark. Agric. Exp. Stn. Res. Ser.* 440: 1-60.

EcoReference No.: 73236

Chemical of Concern: PDM,MTL,TFN,TBC,OXF,EFL,2,4DXY,ATZ,NPP,GYP,BT,MBZ,SXD,DMB; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(MTL,PHMD),NO MIXTURE(SXD),OK(ALL CHEMS),OK TARGET(DMB,PYZ,ATZ).

Talbert, R. E., Wichert, R. A., Carey III, V. F., Johnson, D. H., Ruff, D. F., and Burgos, N. R. (1993). Field Evaluations of Herbicides on Small Fruit, Vegetable and Ornamental Crops, 1992. *Ark. Agric. Exp. Stn. Res. Ser.* 429: 1-29.

EcoReference No.: 70441

Chemical of Concern: ATZ,NPP,MTL,PQT,OXF,DU,PDM,BT,TFN,24DXY,OYZ,SZ; Habitat: T; Effect Codes: PHY,POP; Rejection Code: LITE EVAL CODED(MTL),OK(ALL CHEMS),OK TARGET(ATZ).

Tanaka, J. S., Romanowski, R. R. Jr., Sakuoka, R. T., and Crozier, J. A. Jr. (1974). Herbicide Evaluation Studies with Sweetcorn (*Zea mays* L.) in Hawaii. *Hawaii Agric. Exp. Stn. Res. Rep.* 194: 3-28.

EcoReference No.: 40613

Chemical of Concern: SZ,ATZ,DU,LNR,PMT,EPTC,24DXP,PCH,BTY; Habitat: T; Effect Codes: GRO,POP,PHY,MOR; Rejection Code: OK TARGET(ATZ,SZ),OK(ALL CHEMS).

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EcoReference No.: 73913

Chemical of Concern: MTL,SXD,ATZ,CZE,DMB,NSF,HSF,DMM; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(SXD,DMB,ATZ).

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EcoReference No.: 77627

Chemical of Concern: TDF,FRM,GYP,DQTBr,PAQT,SZ,ATZ,PHSL; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

Zora, K. and Paladino, F. (1986). Combined Toxicity of Atrazine and Acid Exposure to Bluntnose Minnows, *Pimephales notatus*. *Fed.Proc.* 45: 916 (ABS No.4431).

EcoReference No.: 12853

Chemical of Concern: ATZ; Habitat: A; Effect Codes: MOR; Rejection Code: NO ABSTRACT.

Zsoldos, F., Haunold, E., and Vashegyi, A. (1986). The Effects of Phosphate Supply on Uptake of Potassium Ions 2,4-D and Atrazine by Wheat and Maize. *Physiol.Plant.* 68: 154-158.

EcoReference No.: 80531

Chemical of Concern: ATZ,24DXY; Habitat: T; Effect Codes: BCM; Rejection Code: TARGET(ATZ).

Zupan, I. and Kalafatic, M. (2003). Histological Effects of Low Atrazine Concentration on Zebra Mussel (*Dreissena polymorpha* Pallas). *Bull.EnvIRON.Contam.Toxicol.* 70: 688-695.

EcoReference No.: 71914

Chemical of Concern: ATZ; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT (ATZ).

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Atrazine Updates (March-October 2006)  
Papers that Were Accepted for ECOTOX

### Acceptable for ECOTOX and OPP

Aso, S., Anai, M., Noda, S., Imatanaka, N., Yamasaki, K., and Maekawa, A. (2000). Twenty-Eight-Day Repeated-Dose Toxicity Studies for Detection of Weak Endocrine Disrupting Effects of Nonylphenol and Atrazine in Female Rats. *J.Toxicol.Pathol.* 13: 13-20.

EcoReference No.: 86238

Chemical of Concern: ATZ,NYP; Habitat: T; Effect Codes: REP,CEL,GRO,PHY,BEH; Rejection Code: **Less sensitive endpoint.**

Blackburn, R. A. (1985). The Effects of Single and Joint Toxicity of Atrazine and Alachlor on Three Non-target Aquatic Organisms. *M.S.Thesis, Univ.of Kansas, Lawrence, KS* 163 p.

EcoReference No.: 71619

Chemical of Concern: ATZ,ACR; Habitat: A; Effect Codes: POP,MOR,GRO; Rejection Code: **Less sensitive endpoint.**

Burrell, R. E., Mayfield, C. I., Inniss, W. E., and Kummer, K. (1983). A Rapid Technique for Determining Toxicant Effects on a Green Alga. *Can.Tech.Rep.Fish.Aquat.Sci.* 307-313 p.

EcoReference No.: 86245

Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**

Garrett, D. C. (2004). Effects of Methanol, Atrazine, and Copper on the Ultrastructure of *Pseudokirchneriella subcapitata* (*Selenastrum capricornutum*). *Ph.D.Thesis, Univ.of North Texas, Denton, TX* 192 p.

EcoReference No.: 82748

Chemical of Concern: MOL,ATZ,Cu; Habitat: A; Effect Codes: BCM,CEL,POP; Rejection Code: **Less sensitive endpoint.**

Gaunt, P. and Barker, S. A. (2000). Matrix Solid Phase Dispersion Extraction of Triazines from Catfish Tissues; Examination of the Effects of Temperature and Dissolved Oxygen on the Toxicity of Atrazine. *Int.J.Enviroin.Pollut.* 13: 284-312.

EcoReference No.: 71376

Chemical of Concern: ATZ; Habitat: A; Effect Codes: MOR,ACC; Rejection Code: **Less sensitive endpoint.**

Giusi, G., Facciolo, R. M., Canonaco, M., Alleva, E., Belloni, V., Dessi-Fulgheri, F., and Santucci, D. (2006). The Endocrine Disruptor Atrazine Accounts for a Dimorphic Somatostatinergic Neuronal Expression Pattern in Mice. *Toxicol.Sci.* 89: 257-264 .

EcoReference No.: 83157

Chemical of Concern: ATZ; Habitat: T; Effect Codes: PHY; Rejection Code: **Terrestrial mammalian endpoints were not considered for this assessment. Cellular genetic endpoints cannot be quantitatively linked to the selected assessment endpoints.**

Kish, P. A. (2006). Evaluation of Herbicide Impact on Periphyton Community Structure Using the Matlock Periphytometer. *J.Freshw.Ecol.* 21: 341-348.

EcoReference No.: 85813

Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP,ACC; Rejection Code: **Less sensitive endpoint.**

Le Goff, G., Hilliou, F., Siegfried, B. D., Boundy, S., Wajnberg, E., Sofer, L., Audant, P., ffrench-Constant, R. H., and Feyerisen, R. (2006). Xenobiotic Response in *Drosophila melanogaster*: Sex Dependence of P450 and GST Gene Induction. *Insect Biochem.Mol.Biol.* 36: 674-682.

EcoReference No.: 85819

Chemical of Concern: ATZ; Habitat: T; Effect Codes: CEL; Rejection Code: **Cellular genetic endpoints cannot be quantitatively linked to the selected assessment endpoints.**

Lockert, C. K., Hoagland, K. D., and Siegfried, B. D. (2006). Comparative Sensitivity of Freshwater Algae to Atrazine. *Bull.Enviroin.Contam.Toxicol.* 76: 73-79.

EcoReference No.: 85817

Chemical of Concern: ATZ; Habitat: A; Effect Codes: CEL,POP; Rejection Code: **Less sensitive endpoint.**

Ma, J., Wang, S., Wang, P., Ma, L., Chen, X., and Xu, R. (2006). Toxicity Assessment of 40 Herbicides to the Green Alga *Raphidocelis subcapitata*. *Ecotoxicol.Enviroin.Saf.* 63: 456-462.

EcoReference No.: 83543

Chemical of Concern:

CLT,DFP,FNP,FZF,HFP,QZF,BSFM,BP,CRME,EMSF,FTS,MTSM,NSF,ACO,BTC,MTL,AMTR,ATZ,BMN,CMZ,DU,PAQT,PMT,FXP,MCPA,ZNC,PDM,TFN,GFS,GYP,SZ; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**

Phyu, Y. L., Warne, M. S., and Lim, R. P. (2006). Toxicity and Bioavailability of Atrazine and Molinate to the Freshwater Fish (*Melanotenia fluviatilis*) Under Laboratory and Simulated Field Conditions. *Sci.Total Environ.* 356: 86-99.

EcoReference No.: 85814

Chemical of Concern: ATZ,MLT; Habitat: A; Effect Codes: PHY,MOR; Rejection Code: **Less sensitive endpoint. Behavioral endpoints such as equilibrium cannot be quantitatively linked to the selected assessment endpoints.**

Podola, B. and Melkonian, M. (2005). Selective Real-Time Herbicide Monitoring by an Array Chip Biosensor Employing Diverse Microalgae. *J.Appl.Phycol.* 17: 261-271 .

EcoReference No.: 83755

Chemical of Concern: SZ,DU,ATZ,PAQT; Habitat: A; Effect Codes: POP; Rejection Code: **Less sensitive endpoint.**

Porter, W. P., Jaeger, J. W., and Carlson, I. H. (1999). Endocrine, Immune, and Behavioral Effects of Aldicarb (Carbamate), Atrazine (Triazine) and Nitrate (Fertilizer) Mixtures at Groundwater Concentrations . *Toxicol.Ind.Health* 15: 133-150.

EcoReference No.: 86237

Chemical of Concern: ADC,ATZ; Habitat: T; Effect Codes: PHY,GRO,BEH,BCM; Rejection Code: **Less sensitive endpoint.**

Rowe, A. M., Brundage, K. M., Schafer, R., and Barnett, John B. (2006). Immunomodulatory Effects of Maternal Atrazine Exposure on Male Balb/c Mice. *Toxicol.Appl.Pharmacol.* 214: 69-77.

EcoReference No.: 85820

Chemical of Concern: ATZ; Habitat: T; Effect Codes: CEL,REP,PHY,GRO; Rejection Code: **Less sensitive endpoint.**

Seguin, F., Druart, J. C., and Le Cohu, R. (2001). Effects of Atrazine and Nicosulfuron on Periphytic Diatom Communities in Freshwater Outdoor Lentic Mesocosms. *Ann.Limnol.* 37: 3-8.

EcoReference No.: 86240

Chemical of Concern: ATZ,NSF; Habitat: A; Effect Codes: POP,CEL; Rejection Code: **Less sensitive endpoint.**

Su, Y. H. and Zhu, Y. G. ( 2006). Bioconcentration of Atrazine and Chlorophenols into Roots and Shoots of Rice Seedlings. *Environ.Pollut.* 139: 32-39.

EcoReference No.: 85818

Chemical of Concern: ATZ,24DC; Habitat: A; Effect Codes: ACC,PHY; Rejection Code: **Bioconcentration factor.**

Thomas, P. and Doughty, K. (2004). Disruption of Rapid, Nongenomic Steroid Actions by Environmental Chemicals: Interference with Progesterone Stimulation of Sperm Motility in Atlantic Croaker. *Environ.Sci.Technol.* 38: 6328-6332.

EcoReference No.: 83758

Chemical of Concern: PCB,MXC,ATZ,DDT,NAPH; Habitat: A; Effect Codes: REP; Rejection Code:

No effect at single test concentration.

Wilhelms, K. W., Cutler, S. A., Proudman, J. A., Carsia, R. V., Anderson, L. L., and Scanes, C. G. (2006). Lack of Effects of Atrazine on Estrogen-Responsive Organs and Circulating Hormone Concentrations in Sexually Immature Female Japanese quail (*Coturnix coturnix japonica*). *Chemosphere* 65: 674-681.

EcoReference No.: 85511

Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,BEH,BCM; Rejection Code: No effects at any of the test concentrations.

Yeh, H. J. and Chen, C. Y. (2006). Toxicity Assessment of Pesticides to *Pseudokirchneriella subcapitata* Under Air-Tight Test Environment. *J.Hazard.Mater.* 131: 6-12.

EcoReference No.: 85816

Chemical of Concern: ATZ,PCP,FNTH,PRN,MLN,DDVP,MCPA; Habitat: A; Effect Codes: PHY,POP; Rejection Code: Less sensitive endpoint.

#### **Atrazine Updates (March-October 2006): Acceptable for ECOTOX but not OPP**

Ismail, S. M. M., Ahmed, Y. M., Mosleh, Y. Y. I., and Ahmed, M. T. (1997). The Activities of Some Proteins and Protein Related Enzymes of Earthworms as Biomarkers for Atrazine Exposure. *Toxicol.Environ.Chem.* 63: 141-148.

EcoReference No.: 86242

Chemical of Concern: ATZ; Habitat: T; Effect Codes: ACC,PHY; Rejection Code: NO ENDPOINT(ATZ).

Liang, T. T. and Lichtenstein, E. P. (1974). Synergism of Insecticides by Herbicides: Effect of Environmental Factors. *Science* 186: 1128-1130.

EcoReference No.: 86239

Chemical of Concern: ATZ,DDT,PRN; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT(ATZ).

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## Papers Rejected by ECOTOX

ATRAZINE IRED 2003  
Papers that Were Excluded from ECOTOX

- Armstrong, D. E., Chester, C., and Harris, R. F. (1967). Atrazine Hydrolysis in Soil. *Soil Sci.Soc.Amer.Proc.* 31: 61-66.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: FATE.
- Baier, C. H., Hurler, K., and Kirchoff, J. (1985). Datensammlung zur Abschätzung des Gefährdungspotentials von Pflanzenschutzmitteln-Wirkstoffen für Gewässer. *Deutscher Verband für Wasserwirtschaft und Kulturbau e.V., Verlag Paul Parey, Hamburg and Berlin* 74-294.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: NON-ENGLISH.
- Baker, D. B. (1987). Lake Erie Agro-Ecosystem Program: Sediment, Nutrient, and Pesticide Export Studies. *U.S.EPA, Gt.Lakes Natl.Prog.Office, Chicago, IL.*  
Chem Codes: Chemical of Concern: ATZ Rejection Code: SURVEY.
- Baker, D. B., Kieger, K. A., Richarads, R. P., and Kramer, J. W. (1985). Effects of Intensive Agricultural Land Use on Regional Water Quality in Northwestern Ohio. *EPA-440/5-85-001, U.S.EPA, Perspectives on Nonpoint Source Pollution, Proc.of a National Conf., Kansas City, MO* 201-207.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: SURVEY.
- Baker, D. B., Krieger, K. A., and Setzler, J. V. (1981). The Concentrations and Transport of Pesticides in Northwestern Ohio Rivers - 1981. *U.S.Army Corps of Engineers, Tech.Rep.Series, No.19, Buffalo District, Buffalo, NY.*  
Chem Codes : Chemical of Concern: ATZ Rejection Code: SURVEY.
- Barriuso, E., Calvet, R., and Houot, S. (1995). Field Study of the Effect of Sewage Sludge Application on Atrazine Behaviour in Soil. *Internat.J.EnvIRON.Anal.Chem.* 59 : 107-123.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: EFFLUENT.
- Basta, N. T., Huhnke, R. L., and Stiegler, J. H. (1997). Atrazine Runoff from Conservation Tillage Systems: A Simulated Rainfall Study. *J.Soil Water Conserv.* 52 : 44-49.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: EFFLUENT.
- Best, L. B., Freemark, K. E., Dinsmore, J. J., and Camp, M. (1995). A Review and Synthesis of Habitat Use by Breeding Birds in Agricultural Landscapes of Iowa. *Am.Midl.Nat.* 124: 1-29 (MRID # 45205103).  
Chem Codes: Chemical of Concern: ATZ Rejection Code: REVIEW/SURVEY.
- Borisover, M. D. and Graber, E. R. (1997). Competitive Sorption Between Atrazine and Other Organic Compounds in Soils and Model Sorbents. *Comment.EnvIRON.Sci.Technol.* 31: 1577-1578.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: NO TOX DATA.
- Boundy-Mills, K. L., deSouza, M. L., Mandelbaum, R. T., Wackett, L. P., and Sadowsky, M. J. (1997). The ATZB Gene of *Pseudomonas* sp. Strain ADP Encodes the Second Enzyme of a Novel Atrazine Degradation Pathway. *Appl.EnvIRON.Microbiol.* 63: 916.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: BACTERIA.
- Bouquard, C., Quazzani, J., Prome, J. C., Michel-Briand, Y., and Plesiat, P. (1997). Dechloration of Atrazine by a *Rhizobium* sp. Isolate. *Appl.EnvIRON.Microbiol.* 63: 862-916.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: BACTERIA.
- Braun, F., Schussler, W., and Wehrle, R. (1987). Organische Schadstoffe, Polychlorbiphenyle (PCB ) and Pesticide



- im Kreislauf des Wassers. *Bilanzierung und Bewertung.Rep.of the Bavarian Water Res.Inst., Munich* 18-27.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: NON-ENGLISH.
- Buccafusco, R. (1976). Acute Toxicity of Atrazine Technical to Bluegill (*Lepomis macrochirus*). *Prepared by EG & G Bionomics, Wareham, MA, Submitted by Unknown* (MRID # 00147125).  
Chem Codes: Chemical of Concern: ATZ Rejection Code: NOT PURSUING.
- Capel, P. D., Lin, M., and Wotzka, P. J. (1994). Pesticides in Rains in Minnesota 1991-1993: An Interim Report. *Minn.Dep.of Agron., Agron.Ser.Div.* p. 26 (Additional Pages on 1994 Data).  
Chem Codes: Chemical of Concern: ATZ Rejection Code: SURVEY.
- Carder, J. P. and Hoagland, K. D. (1998). Combined Effects of Alachlor and Atrazine on Benthic Algae Communities in Artificial Streams. *Environ.Toxicol.Chem.* 17 : 1415-1420.  
Chem Codes: EcoReference No.: 72764  
 Chemical of Concern: ACR,ATZ Rejection Code: MIXTURE.
- Celis, R., Cornejo, J., Hermosin, M. C., and Koskinen, W. C. (1997). Sorption-Desorption of Atrazine and Simazine by Model Soil Colloidal Components. *Soil Sci.Soc.Am.J.* 61: 436-444.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: FATE.
- Chen, W. and Wagenet, R. J. (1997). Description of Atrazine Transport in Soil with Heterogenous Nonequilibrium Sorption. *Soil Sci.Soc.Am.* 61: 360-372.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: FATE.
- Chesapeake Bay Program (1998). Data Base of the Occurrence and Distribution of Pesticides in Chesapeake Bay. <http://www.agnic.org/agnic/cbp/>.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: NOT PURSUING.
- Close, M. E., Pang, L., Watt, J. P. C., and Vincent, K. W. (1998). Leaching of Picloram, Atrazine and Simazine Through Two New Zealand Soils. *Geoderma* 84: 45-65.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: EFFLUENT.
- Cohen, S. (1997). Atrazine in Wisconsin Ground Water: An Evaluation of Management Control. *Ground Water Monit.Remed.* 17: 60-63.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: SURVEY.
- Correll, D. L., Pierce, J. W., and Wu, T. L. (1978). Herbicides and Submerged Plants in Chesapeake Bay. *In: Proc.Symp.Tech., Environ.Socioecon.and Regul.Aspects Coastal Zone Manage., ASCE, San Francisco, CA.*  
Chem Codes: Chemical of Concern: ATZ Rejection Code: SURVEY.
- Dao, T. H., Lavy, T. L., and Sorenson, R. C. (1979). Atrazine Degradation and Residue Distribution in Soil. *Soil Sci.Soc.Am.J.* 43: 1129-1134.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: SURVEY.
- Davis, D. E., Weete, J. D., Pillai, C. G. P., Plumley, F. G., McEnerney, J. T., Everest, J. W., and Truelove, B. (1980). Atrazine Fate and Effects in a Salt Marsh. *EPA-600/3-79-111, U.S.EPA, Gulf Breeze, FL* 84 p. (U.S.NTIS PB80-150634) (Publ As 6324, 15024, 15023, 15022, 7863, 6604).  
Chem Codes: EcoReference No.: 6438  
 Chemical of Concern: ATZ Rejection Code: FATE.
- Day, G. M., Hart, B. T., McKelvie, I. D., and Beckett, R. (1997). Influence of Natural and Organic Matter on the Sorption of Biocides onto Geothite. I. Gamma-BHC and Atrazine. *Environ.Technol.* 18: 769-781 .  
Chem Codes: Chemical of Concern: ATZ Rejection Code: NO TOX DATA .

- DiCorcia, A., Crescenzi, C., Guerriero, E., and Samperi, R. (1997). Ultratrace Determination of Atrazine and its Six Major Degradation Products in Water by Solid-Phase Extraction and Liquid Chromatography Electrospray Mass Spectrometry. *Environ.Sci.Technol.* 31: 1658-1664.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: METHODS.
- Doulia, D., Houdakis, A., Rigas, F., and Anagnostopoulos, E. (1997). Removal of Atrazine from Water by Use of Nonionic Polymeric Resins. *J.Environ.Sci.Health A-Environ.* 32: 2635-2657.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: NO TOX DATA.
- Douset, S., Mouvet, C., and Schiavon, M. (1997). Degradation of [C-14]Terbuthylazine and [C-14]Atrazine in Laboratory Soil Microcosms. *Pestic.Sci.* 49: 9-17.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: FATE.
- Dowdy, D. L. and McKone, T. E. (1997). Predicting Plant Uptake of Organic Chemicals from Soil or Air Using Octanol/Water and Octanol/Air Partition Ratios and a Molecular Connectivity Index. *Environ.Toxicol.Chem.* 16: 2448-2456.  
Chem Codes: EcoReference No.: 70199  
Chemical of Concern: SZ,PNB,ATZ Rejection Code: REFS CHECKED/REVIEW.
- Fawley, M. W. (1984). Effects of Light Intensity and Temperature Interactions on Growth Characteristics of *Phaedodactylum tricorutum* (Bacillariophyceae). *J.Phycol.* 20: 67-72.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: BACTERIA.
- Frank, R., Braun, H. E., Holdrinet, M. V. H., Sirons, G. J., and Riipley, B. D. (1982). Agriculture and Water Quality in the Canadian Great Lakes Basin: V. Pesticide Use in 11 Agricultural Watersheds and Presence in Stream Water, 1975-1977. *J.Environ.Qual.* 11: 497-505.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: SURVEY.
- Frank, R. and Sirons, G. J. (1979). Atrazine: Its Use in Corn Production and Its Loss to Stream Waters in Southern Ontario, 1975-1977. *Sci.Total Environ.* 12: 223-239.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: NO SPECIES.
- Frank, R. and Sirons, G. J. (1979). Triazine Residues in Suspended Solids (1974-1976) and Water (1977) from the Mouths of Canadian Streams Flowing into the Great Lakes. *J.Gt.Lakes Res.* 5: 131-138.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: SURVEY.
- Freemark, K. E. and Boutin, C. (1994). Impacts of Agricultural Herbicide Use on Terrestrial Wildlife: A Review with Special Reference to Canada. *Can.Wild.Serv.Tech.Rep.Ser.* 196 (MRID # 45204903).  
Chem Codes: Chemical of Concern: ATZ Rejection Code: REVIEW/SURVEY.
- Fremanich, K. J., Bland, W. L., Lowery, B., and McSweeney, K. (1996). Irrigation and Tillage Effects on Atrazine and Metabolite Leaching from a Sandy Soil. *J.Environ.Qual.* 25: 1291-1300.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: EFFLUENT.
- Gascon, J., Durand, G., and Barcelo, D. (1995). Pilot Survey for Atrazine and Total Chlorotriazines in Estuarine Waters Using Magnetic Particle Based Immunoassay and Gas Chromatography Nitrogen/Phosphorus Detection. *Environ.Sci.Technol.* 29: 1151-1157.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: SURVEY.
- Gaynor, J. D., MacTavish, D. C., and Labaj, A. B. (1998). Atrazine and Metolachlor Residues in Brookston, CL. Following Conventional and Conservation Tillage Culture. *Chemosphere* 36: 3199-3211.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: SURVEY.
- Gaynor, J. D. MacTavish D. C. and Findlay, W. I. (1995). Organic Chemicals in the Environment: Atrazine and Metolachlor Loss in Surface and Subsurface Runoff from Three Tillage Treatments in Corn.

- J. Environ. Qual.* 24: 246-256.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: SURVEY.
- Gianturco, F., Chiodaroli, C. M., Bellobono, R., Raimondi, M. L., Moroni, A., and Gawlik, B. (1997). Pilot-Plant Photomineralization of Atrazine in Aqueous Solution, by Photocatalytic Membranes Immobilising Titanium Dioxide and Promoting Photocatalysts. *Fresenius Environ. Bull.* 6: 461-469.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: NO TOX DATA.
- Giddings, J. M., Anderson, T. A., Hall, L. W. Jr., Kendall, R. J., Richards, R. P., Solomon, K. R., and Williams, W. M. (2000). Aquatic Ecological Risk Assessment of Atrazine: A Tiered, Probabilistic Approach. *Prepared by the Atrazine Ecol. Risk Assess. Panel, ECORISK, Inc., Novartis Crop Protection Inc., Proj. Monit., Alan Hosmer, Novartis No. 709-00.*  
Chem Codes: Chemical of Concern: ATZ Rejection Code: NO TOX DATA.
- Gilliom, R. J., Barbash, J. E., Kolpin, D. W., and Larson, S. J. (1999). Testing Water Quality for Pesticide Pollution. *Environ. Sci. Technol.* 33: 164-169.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: NO TOX DATA.
- Glotfelty, D. E., Taylor, A. W., Isensee, A. R., Jersey, J., and Glenn, S. (1984). Atrazine and Simazine Movement to Wye River Estuary. *J. Environ. Qual.* 13: 115-121.  
Chem Codes: Chemical of Concern: SZ, ATZ Rejection Code: NO SPECIES.
- Gruessner, B. (1994). Patterns of Herbicide Contamination in Vermont Streams and the Effect of Atrazine on Communities of Stream Organisms. *M.S. Thesis, Univ. of Vermont, Burlington, VT.*  
Chem Codes: Chemical of Concern: ATZ Rejection Code: SURVEY.
- Hall, J. K. (1974). Erosional Losses of s-Triazine Herbicides. *J. Environ. Qual.* 3: 174-180.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: FATE.
- Hayar, S., Munier-Lamy, C., Chone, T., and Schiavon, M. (1997). Physico-chemical Versus Microbial Release of C-14-Atrazine Bound Residues from a Loamy Clay Soil Incubated in Laboratory Microcosms. *Chemosphere* 34: 2683-2699.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: FATE.
- Hequet, V., Gonzalez, C., and LeCloirec, P. (1997). Methodological Approach for the Hydrolysis Degradation of Atrazine. *Int. J. Environ. Anal. Chem.* 66: 253-269.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: FATE.
- Horswell, J., Hodge, A., and Killham, K. (1997). Influence of Plant Carbon on the Mineralisation of Atrazine Residues in Soils. *Chemosphere* 34: 1739-1753.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: FATE.
- Hottenstein, C. S., Rubio, F. M., Herzog, D. P., Fleeker, J. R., and Lawruk, T. S. (1996). Determination of Trace Atrazine Levels in Water by a Sensitive Magnetic Particle-Based Enzyme Immunoassay. *J. Agr. Food Chem.* 44: 3576.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: METHODS.
- Isensee, A. R. and Sadeghi, A. M. (1997). Interactions of Tillage and Rainfall on Atrazine Leaching Under Field and Laboratory Conditions. *Chemosphere* 34: 2715-2725.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: EFFLUENT.
- Issa, S., Wood, M., Pussemier, L., Vanderheyden, V., Douka, C., Vizantinopoulos, S., Gyori, Z., Borbely, M., and Katai, J. (1997). Potential Dissipation of Atrazine in the Soil Unsaturated Zone: A Comparative Study in Four European Counties. *Pestic. Sci.* 50: 99-104.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: FATE.

- Jenks, B. M., Roeth, F. W., and Martin, A. R. (1997). Comparison of an Enzyme Immunoassay with Gas Chromatography for Atrazine Determination in Water and Soil. *Bull.Environ.Contam.Toxicol.* 58: 696-704  
Chem Codes: Chemical of Concern: ATZ Rejection Code: METHODS.
- Johnson, R. M. and Pepperman, A. B. (1998). Release of Atrazine and Alachlor from Clay-Oxamide Controlled-Formulations. *Pestic.Sci.* 53: 233-241.  
Chem Codes: Chemical of Concern: ATZ Rejection Code: FATE.
- Johnson, R. M., Pepperman, A. B., and Selim, H. M. (1998). Field Mobility and Persistence of Alginate Controlled Release Formulations of Atrazine. *Soil Sci.* 163: 46-53.  
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