Appendix J-1: Bibliography of ECOTOX Open Literature Not Evaluated

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., Veeser, 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).

Neugebaur, 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).

ATRAZINE post-IRED (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.

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EcoReference No.: 72626
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: Less sensitive endpoint.

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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.

Brust, G. E. (1990). Direct and Indirect Effects of Four Herbicides on the Activity of Carabid Beetles (Coleoptera: Carabidae) . *Pestic.Sci.* 30: 309-320.
EcoReference No.: 70406
Chemical of Concern: SZ,ATZ,GYP,PAQT; Habitat: T; Effect Codes: BEH,MOR; Rejection Code: Terrestrial invertebrate endpoints were not considered for this assessment.

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,DCPA,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: Terrestrial invertebrate endpoints were not considered for this assessment.

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 virignica). *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.

Conners, 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.

Connor, K., Howell, J., Chen, I., Liu, H., Berhane, K., Sciarretta, C., Safe, S., and Zacharewski, T. (1996). Failure of Chloro-s-Triazine-Derived Compounds to Induce Estrogen Receptor-Mediated Responses In Vivo and In Vitro. *Fundam.Appl.Toxicol.* 30: 93-101.
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.

Cortet, J., Gillon, D., Joffre, R., Ourcival, J. M., and Poinsot-Balaguer, N.
(2002). Effects of Pesticides on Organic Matter Recycling and Microarthropods in a Maize Field: Use and Discussion of the Litterbag Methodology. *Eur.J.Soil Biol.* 38: 261-265.
EcoReference No.: 75784
Chemical of Concern: ATZ,ACR,CBF,FPN; Habitat: T; Effect Codes: POP; Rejection Code: Terrestrial invertebrate 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.
EcoReference No.: 48627
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.

DeNoyelles, F. and Kettle, D. (1980). Herbicides in Kansas Waters - Evaluations of the Effects of Agricultural Runoff and Aquatic Weed Control on Aquatic Food Chains. *Project Completion Rep., Project No.A-092-KAN, Office of Water Res.Technol., U.S.D.I., Washington, D.C.* 40 p.
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 Aztrazine 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.
EcoReference No.: 69944
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 14C-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).
EcoReference No.: 6331
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.

Fox, C. J. S. (1964). The Effects of Five Herbicides on the Numbers of Certain Invertebrate Animals in Grassland Soil. *Can.J.Plant Sci.* 44: 405-409.
EcoReference No.: 36668
Chemical of Concern: ATZ,24DXY; Habitat: T; Effect Codes: POP; Rejection Code: Terrestrial invertebrate endpoints were not considered for this assessment.

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.

Fratello, B., Bertolani, R., Sabatini, M. A., Mola, L., and Rassu, M. A. (1985). Effects of Atrazine on Soil Microarthropods in Experimental Maize Fields. *Pedobiologia* 28: 161-168.
EcoReference No.: 59428
Chemical of Concern: ATZ; Habitat: T; Effect Codes: POP; Rejection Code: Terrestrial invertebrate endpoints were not considered for this assessment.

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.

Haque, A. and Ebing, W. (1983). Toxicity Determination of Pesticides to Earthworms in the Soil Substrate. *J.Plant Dis.Prot.(Z.Pflanzenkr.Pflanzensch.)* 90: 395-408 (OECDG Data File).
EcoReference No.: 40493
Chemical of Concern: Cu,Folpet,CBF,ATZ,TBO,ADC,ES,MDT,PPX,BMY,HCCH,PQT,CQTC,APA6,Captan,TDF,PAQT,CN,ADB; Habitat: T; Effect Codes: MOR,GRO,POP,BEH; Rejection Code: Terrestrial invertebrate endpoints were not considered for this assessment.

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.

Kegel, B. (1989). Laboratory Experiments on the Side Effects of Selected Herbicides and Insecticides on the Larvae of Three Sympatric Poecilus-Species (Col., Carabidae). *J.Appl.Entomol.* 108: 144-155.
EcoReference No.: 64007
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: GRO,REP,MOR; Rejection Code: Terrestrial invertebrate endpoints were not considered for this assessment.

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Chemical of Concern: ATZ,LNR; Habitat: A; Effect Codes: POP,PHY,SYS,GRO,BCM; Rejection Code: Less sensitive endpoint.

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EcoReference No.: 4547
Chemical of Concern: ATZ,Cd; Habitat: A; Effect Codes: SYS,POP; Rejection Code: Used in CASM.

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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.

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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.

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

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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.

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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.

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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.

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EcoReference No.: 71600
Chemical of Concern: ATZ,DDT; Habitat: A; Effect Codes: MOR; Rejection CodeLess 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.

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EcoReference No.: 81741
Chemical of Concern: ATZ,CU,CBF,MLN; Habitat: A; Effect Codes: GRO,BEH; Rejection Code: Less sensitive endpoint.

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EcoReference No.: 71459
Chemical of Concern: CPY,ATZ,SZ; Habitat: T; Effect Codes: MOR; Rejection Code: Terrestrial invertebrate endpoints were not considered for this assessment.

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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,QNC,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,QZP,HFP,FNP,BP,TN,EMSF,NSF,BTC,PAQT,AMTR,DU,ANL,MCPA,FXP,QNC,OXF,GYP,SZ,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,SZ,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 Penned 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: Terrestrial invertebrate endpoints were not considered for 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.

Mola, L., Sabatini, M. A., Fratello, B., and Bertolani, R. (1987). Effects of Atrazine on Two Species of Collembola (Onychiuridae) in Laboratory Tests. *Pedobiologia* 30: 145-149.
EcoReference No.: 71417
Chemical of Concern: ATZ; Habitat: T; Effect Codes: MOR; Rejection Code: Terrestrial invertebrate endpoints were not considered for this assessment.

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,MCPP,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.

Mosleh, Y. Y., Ismail, S. M. M., Ahmed, M. T., and Ahmed, Y. M. (2003). Comparative Toxicity and Biochemical Responses of Certain Pesticides to the Mature Earthworm Aporrectodea caliginosa Under Laboratory Conditions. *Environ.Toxicol.* 18: 338-346 .
EcoReference No.: 77549
Chemical of Concern: ADC,CYP,ATZ,MLX,PFF; Habitat: T; Effect Codes: MOR,GRO,BCM; Rejection Code: Terrestrial invertebrate endpoints were not considered for this assessment.

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.

Murnik, M. R. and Nash, C. L. (1977). Mutagenicity of the Triazine Herbicides Atrazine, Cyanazine, and Simazine in Drosophila melanogaster. *J.Toxicol.Environ.Health* 3: 691-697.
EcoReference No.: 70000
Chemical of Concern: SZ,ATZ,CZE; Habitat: T; Effect Codes: REP,CEL,GRO,MOR; Rejection Code: Terrestrial invertebrate endpoints were not considered for this assessment.

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 [35S]Methionine Show D1 Reaction II Protein Turnover in Variously 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.

Phyu, Y. L., Warne, M. S. J., and Lim, R. P. (2005). Toxicity and Bioavailability of Atrazine and Molinate to the Freshwater Shrimp (Paratya australiensis) Under Laboratory and Simulated Field Conditions. *Ecotoxicol.Environ.Saf.* 60: 113-122.
EcoReference No.: 76267
Chemical of Concern: ATZ,MLT; Habitat: A; Effect Codes: MOR; Rejection Code: Less sensitive endpoint.

Pillai, C. G. P., Weete, J. D., and Davis, D. E. (1977). Metabolism of Atrazine by Spartina alterniflora. 1. Chloroform-Soluble Metabolites. *J.Agric.Food Chem.* 25: 852-855.
EcoReference No.: 9042
Chemical of Concern: ATZ; Habitat: A; Effect Codes: ACC,GRO,POP; Rejection Code: Less sensitive endpoint.

Pinckney, J. L., Ornolfsdottir, E. B., and Lumsden, S. E. (2002). Estuarine Phytoplankton Group-Specific Responses to Sublethal Concentrations of the Agricultural Herbicide, Atrazine. *Mar.Pollut.Bull.* 44: 1109-1116.
EcoReference No.: 66307
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: Less sensitive endpoint.

Pizl, V. (1985). The Effect of the Herbicide Zeazin 50 on the Earthworm Infection by Monocystid Gregarines. *Pedobiologia* 28 : 399-402.
EcoReference No.: 64846
Chemical of Concern: ATZ; Habitat: T; Effect Codes: BEH; Rejection Code: Terrestrial invertebrate endpoints were not considered for this assessment.

Portmann, J. E. and Wilson, K. W. (1971). The Toxicity of 140 Substances to the Brown Shrimp and Other Marine Animals. *Shellfish Information Leaflet No.22 (2nd Ed.), Ministry of Agric.Fish.Food, Fish.Lab.Burnham-on-Crouch, Essex, and Fish Exp.Station Conway, North Wales* 12 p.
EcoReference No.: 906
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,Tl; Habitat: A; Effect Codes: MOR; Rejection Code: Less sensitive endpoint.

Prasad, T. A. V., Srinivas, T., Janardan Reddy, S., and Reddy, D. C. (1995). Atrazine Toxicity on Transport Properties of Hemocyanin in the Crab Oziotelphusa senex senex. *Ecotoxicol.Environ.Saf.* 30: 124-126.
EcoReference No.: 15356
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.

Prasad, T. A. V., Srinivas, T., Rafi, M., and Reddy, D. C. (1990). Chronic Effect of Atrazine on Hydromineral Balance in the Crab. *Biochem.Int.* 22: 435-440 .
EcoReference No.: 8536
Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,PHY,BCM; Rejection Code: Less sensitive endpoint.

Prasad, T. A. V., Srinivas, T., and Reddy, D. C. (1991). Modulations in Nitrogen Metabolism in the Hepatic and Neuronal Tissues of Fish, Tilapia mossambica Exposed to Atrazine. *Biochem.Int.* 23: 271-279.
EcoReference No.: 67281
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM; Rejection Code: Less sensitive endpoint; Biochemical endpoint cannot be quantitatively linked to the selected assessment endpoints.

Prescott, L. M., Kubovec, M. K., and Tryggestad, D. (1977). The Effects of Pesticides, Polychlorinated Biphenyls and Metals on the Growth and Reproduction of Acanthamoeba castellanii. *Bull.Environ.Contam.Toxicol.* 18: 29-34.

EcoReference No.: 7625
Chemical of Concern: SZ,ATZ,CBL,LNR,DLD,AND,Hg,Pb,PCB,CuS,Zn; Habitat: A; Effect Codes: POP; Rejection Code: Less sensitive endpoint.

Prescott, L. M. and Olson, D. L. (1972). The Effect of Pesticides on the Soil Amoeba Acanthamoeba castellanii (Neff). *Proc.South D.Acad.Sci.* 51: 136-141.
EcoReference No.: 60074
Chemical of Concern: DDT,24DXY,ATZ,EPTC,PPN; Habitat: A; Effect Codes: POP,REP; Rejection Code: Effects to soil amoeba are not assessed as part of the effects determination.

Preshing, M. (1985). Effect of Certain Toxicants on the Survival Rate of Daphnia magna in a Three-Factor Experiment. *Hydrobiol.J.* 21: 1-4.
EcoReference No.: 67282
Chemical of Concern: ATZ,Cu; Habitat: A; Effect Codes: MOR; Rejection Code: Less sensitive endpoint.

Purcell III, T. W. (1989). The Effects of Atrazine and Nitrate, Alone and in Combination, on a Natural Phytoplankton Population of the Potomac River. *Ph.D.Thesis, Univ.of Maryland, College Park, MD:133 p.(1988) / Diss.Abstr.Int.B Sci.Eng.* 49: 3080.
EcoReference No.: 9980
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: Endpoint Less Sensitive.

Radetski, C. M., Ferard, J. F., and Blaise, C. (1995). A Semistatic Microplate-Based Phytotoxicity Test. *Environ.Toxicol.Chem.* 14: 299-302.
EcoReference No.: 13728
Chemical of Concern: ATZ,CuS,Cr,Cd; Habitat: A; Effect Codes: POP,MOR; Rejection Code: Less sensitive endpoint.

Ralph, P. J. (2000). Herbicide Toxicity of Halophila ovalis Assessed by Chlorophyll a Fluorescence. *Aquat.Bot.* 66: 141-152.
EcoReference No.: 61925
Chemical of Concern: SZ,ATZ,GYP; Habitat: A; Effect Codes: POP,BCM; Rejection Code: Less sensitive endpoint.

Rayner, J. L., Enoch, R. R., and Fenton, S. E. (2005). Adverse Effects of Prenatal Exposure to Atrazine During a Critical Period of Mammary Gland Growth. *Toxicol.Sci.* 87: 255-266.
EcoReference No.: 80614
Chemical of Concern: ATZ; Habitat: T; Effect Codes: BCM, GRO; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Rayner, J. L., Wood, C., and Fenton, S. E. (2004). Exposure Parameters Necessary for Delayed Puberty and Mammary Gland Development in Long-Evans Rats Exposed In Utero to Atrazine. *Toxicol.Appl.Pharmacol.* 195: 23-34.
EcoReference No.: 81663
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,BCM,CEL,REP; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Roche, H. and Boge, G. (1996). Fish Blood Parameters as a Potential Tool for Identification of Stress Caused by Environmental Factors and Chemical intoxication. *Mar.Environ.Res.* 41: 27-43.
EcoReference No.: 20090
Chemical of Concern: ATZ,CuS, ZnCl2, PL, NP, 4NP; Habitat: A; Effect Codes: BCM; Rejection Code: Biochemical endpoints cannot be quantitatively linked to the selected assessment endpoints.

Rohr, J. R. and Palmer, B. D. (2005). Aquatic Herbicide Exposure Increases Salamander Desiccation Risk Eight Months Later in a Terrestrial Environment. *Environ.Toxicol.Chem.* 24: 1253-1258.
EcoReference No.: 81664

Chemical of Concern: ATZ; Habitat: A; Effect Codes: BEH,MOR.GRO; Rejection Code: Not used because study evaluates effects to terrestrial-phase salamanders.

Rohr, J. R., Sager, T., Sesterhenn, T. M., and Palmer, B. D. (2006). Exposure, Postexposure, and Density-Mediated Effects of Atrazine on Amphibians: Breaking Down Net Effects into Their Parts. *Environ.Health Perspect.* 114: 46-50.
EcoReference No.: 82038
Chemical of Concern: ATZ; Habitat: T; Effect Codes: MOR; Rejection Code: Not used because study evaluates effects to terrestrial-phase salamanders.

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EcoReference No.: 18857
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM,PHY,POP; Rejection Code: Less sensitive endpoint.

Rojickova-Padrtova, R. and Marsalek, B. (1999). Selection and Sensitivity Comparisons of Algal Species for Toxicity Testing. *Chemosphere* 38: 3329-3338.
EcoReference No.: 19852
Chemical of Concern: ATZ,OXF,PDM,CuS,Zn,Cr; Habitat: A; Effect Codes: POP; Rejection Code: Less sensitive endpoint.

Roloff, B. D., Belluck, D. A., and Meisner, L. F. (1992). Cytogenetic Studies of Herbicide Interactions In Vitro and In Vivo Using Atrazine and Linuron. *Arch.Environ.Contam.Toxicol.* 22: 267-271.
EcoReference No.: 78659
Chemical of Concern: ATZ,LNR; Habitat: T; Effect Codes: CEL; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Rooney, A. A., Matulka, R. A., and Luebke, R. W. (2003). Developmental Atrazine Exposure Suppresses Immune Function in Male, but not Female Sprague-Dawley Rats. *Toxicol.Sci.* 76: 366-375.
EcoReference No.: 81749
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Roshon, R. D. (1997). A Toxicity Test for the Effects of Chemicals on the Non-target Submersed Aquatic Macrophyte, Myriophyllum sibiricum Komarov. *Ph.D.Thesis, Univ.of Guelph, Canada*.
EcoReference No.: 74985
Chemical of Concern: MTL,PL,ZnCl2,TPR,24DXY,ATZ,DQTBr,FDE,GYP,HXZ; Habitat: A; Effect Codes: GRO,BCM,CEL; Rejection Code: Less sensitive endpoint.

Russo, J. and Lagadic, L. (2004). Effects of Environmental Concentrations of Atrazine on Hemocyte Density and Phagocytic Activity in the Pond Snail Lymnaea stagnalis (Gastropoda, Pulmonata). *Environ.Pollut.* 127: 303-311.
EcoReference No.: 72619
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM; Rejection Code: Less sensitive endpoint. Biochemical, cellular and esophagitis endpoints cannot be quantitatively linked to the selected assessment endpoints.

Samsoe-Petersen, L. (1995). Effects of 67 Herbicides and Plant Growth Regulators on the Rove Beetle Aleochara bilineata (Col.: Staphylinidae) in the Laboratory. *Entomophaga* 40: 95-104.
EcoReference No.: 63490
Chemical of Concern: SZ,ATZ,DU,HFP,MCPP,PYD,FXP,BT,MTL,PDM,CBL,MTSM,AMTL,CQTC; Habitat: T; Effect Codes: MOR,REP,GRO; Rejection Code: Terrestrial invertebrate endpoints were not considered for this assessment.

Schafer, H., Hettler, H., Fritsche, U., Pitzen, G., Roderer, G., and Wenzel, A. (1994). Biotests Using Unicellular Algae and Ciliates for Predicting Long-Term Effects of Toxicants. *Ecotoxicol.Environ.Saf.* 27: 64-81.

EcoReference No.: 4008
Chemical of Concern: ATZ,HCCH,MP,BMC,DU,CuS,PCP; Habitat: A; Effect Codes: POP,PHY; Rejection Code: Less sensitive endpoint.

Schafer, H., Wenzel, A., Fritsche, U., Roderer, G., and Traunspurger, W. (1993). Long-Term Effects of Selected Xenobiotica on Freshwater Green Algae: Development of a Flow-Through Test System. *Sci.Total Environ.* Suppl.: 735-740.
EcoReference No.: 4335
Chemical of Concern: ATZ,HCCH,MP,CuS,PCP,Cd; Habitat: A; Effect Codes: POP,ACC; Rejection Code: Less sensitive endpoint.

Schmitt-Jansen, M. and Altenburger, R. (2005). Predicting and Observing Responses of Algal Communities to Photosystem II-Herbicide Exposure Using Pollution-Induced Community Tolerance and Species-Sensitivity Distributions. *Environ.Toxicol.Chem.* 24: 304-312.
EcoReference No.: 80430
Chemical of Concern: ATZ,PMT; Habitat: A; Effect Codes: ACC,POP,PHY; Rejection Code: Less sensitive endpoint.

Schrader, K. K., De Regt, M. Q., Tidwell, P. D., Tucker, C. S., and Duke, S. O. (1998). Compounds with Selective Toxicity Towards the Off-Flavor Metabolite-Producing Cyanobacterium Oscillatoria cf. chalybea. *Aquaculture* 163: 85-99.
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.

Schwarz, E. and Hanke, W. (1987). The Influence of Atrazine and Pentachlorophenol on the Regulation of T4 and T3 in the Blood of the Carp (Cyprinus carpio). *Acta Endocrinol.* 114: 16-17.
EcoReference No.: 16361
Chemical of Concern: ATZ,PCP; Habitat: A; Effect Codes: BCM; Rejection Code: Biochemical hormonal endpoints cannot be quantitatively linked to the selected assessment endpoints.

Scutaru, B., Giersch, T., Cozmei, C., and Hock, B. (1998). Immunoenzymatic Determination of Atrazine in Rat Tissue Samples. *Toxicology* 127: 11-16.
EcoReference No.: 78788
Chemical of Concern: ATZ; Habitat: T; Effect Codes: ACC,BCM; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Seguin, F., Le Bihan, F., Leboulanger, C., and Berard, A. (2002). A Risk Assessment of Pollution: Induction of Atrazine Tolerance in Phytoplankton Communities in Freshwater Outdoor Mesocosms, Using Chlorophyll Fluorescence as an Endpoint. *Water Res.* 36: 3227-3236.
EcoReference No.: 66314
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM,POP; Rejection Code: Less sensitive endpoint.

Seguin, F., Leboulanger, C., Rimet, F., Druart, J. C., and Berard, A. (2001). Effects of Atrazine and Nicosulfuron on Phytoplankton in Systems of Increasing Complexity. *Arch.Environ.Contam.Toxicol.* 40: 198-208.
EcoReference No.: 62246
Chemical of Concern: ATZ,NSF; Habitat: A; Effect Codes: POP; Rejection Code: Endpoint Less Sensitive.

Shabana, E. F. (1987). Use of Batch Assays to Assess the Toxicity of Atrazine to Some Selected Cyanobacteria. II. Effect of Atrazine on Heterocyst Frequency, Nitrogen and Phosphorus Metabolism of Four Heterocystous Cyanobacteria. *J.Basic Microbiol.* 27: 215-223.
EcoReference No.: 71802
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM,PHY; Rejection Code: Less sensitive

endpoint.

Sharma, H. C., Sullivan, D. J., Sharma, M. M., and Shetty, S. V. R. (2004). Influence of Weeding Regimes and Pearl Millet Genotypes on Parasitism of the Oriental Armyworm, Mythimna separata. *Biocontrol* 49: 689-699.
EcoReference No.: 81734
Chemical of Concern: ATZ; Habitat: T; Effect Codes: POP; Rejection Code: Less sensitive endpoint.

Silvestre, F., Trausch, G., Spano, L., and Devos, P. (2002). Effects of Atrazine on Osmoregulation in the Chinese Mitten Crab, Eriocheir sinensis. *Comp.Biochem.Physiol.C* 132: 385-390.
EcoReference No.: 66352
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.

Simard, S., Grenier, G., and Beaumont, G. (1990). Morphometric Analysis of Ultrastructural Changes Induced by a Sublethal Concentration of Atrazine on Young Lemna minor Chloroplasts. *Plant Physiol.Biochem.* 28: 49-55.
EcoReference No.: 65658
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM; Rejection Code: Less sensitive endpoint.

Simard, S., Proteau, L., Beaumont, G., and Grenier, G. (1991). Increase of Chloroplast Granum Stability, Induced by a Sublethal Concentration of Atrazine, in Lemna minor Fronds Grown on a Medium Partially Deficient in Calcium or Magnesium. *Plant Physiol.Biochem.* 29: 631-638.
EcoReference No.: 65657
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM,PHY; Rejection Code: Less sensitive endpoint.

Simic, B., Kniewald, J., and Kniewald, Z. (1994). Effect of Atrazine on Reproductive Performance in the Rat. *J.Appl.Toxicol.* 14: 401-404.
EcoReference No.: 71445
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,REP; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Simic, B., Kniewald, Z., Davies, J. E., and Kniewald, Z. (1991). Reversibility of the Inhibitory Effect of Atrazine and Lindane on Cytosol 5alpha-Dihydrotestosterone Receptor Complex Formation in Rat Prostate. *Bull.Environ.Contam.Toxicol.* 46: 92-99.
EcoReference No.: 78321
Chemical of Concern: ATZ,HCCH; Habitat: T; Effect Codes: BCM; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Singh, R. K. and Dwivedi, R. S. (1988). Laboratory Evaluation of Some Pesticides Against Sclerotium rolfsii Sacc. a Foot-Rot Pathogen of Barley (Hordeum vulgare L.). *Pesticides* 22: 20-23.
EcoReference No.: 70487
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.

Son, H. Y., Nishikawa, A., Okazaki, K., Lee, K. Y., Imazawa, T., and Hirose, M. (2003). Lack of Modifying Effects of Atrazine and/or Tamoxifen on Thyroid Carcinogenesis in Rats Pretreated with N-bis(2-Hydroxypropyl)Nitrosamine (DHPN). *Food Chem.Toxicol.* 41: 1811-1816.
EcoReference No.: 81667
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,BEH,BCM; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Spano, L., Tyler, C. R., Van Aerle, R., Devos, P., Mandiki, S. N. M., Silvestre, F., Thome, J. P., and Kestemont, P. (2004). Effects of Atrazine on Sex Steroid Dynamics, Plasma Vitellogenin Concentration and Gonad

Development in Adult Goldfish (Carassius auratus). *Aquat.Toxicol.* 66: 369-379.
EcoReference No.: 73297
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BCM,PHY,GRO; Rejection Code: Less sensitive endpoint.

Stevens, J. T., Breckenridge, C. B., Wetzel, L., Thakur, A. K., Liu, C., Werner, C., Luempert III, L. G., and Eldridge, J. C. (1999). A Risk Characterization for Atrazine: Oncogenicity Profile. *J.Toxicol.Environ.Health Part A* 56: 69-109.EcoReference No.: 79510
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,BEH,MOR; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Stevens, J. T., Breckenridge, C. B., Wetzel, L. T., Gillis, J. H., Luempert III, L. G., and Eldridge, J. C. (1994). Hypothesis for Mammary Tumorigenesis in Sprague-Dawley Rats Exposed to Certain Triazine Herbicides. *J.Toxicol.Environ.Health* 43: 139-153.
EcoReference No.: 69611
Chemical of Concern: SZ,ATZ,AMTR,PRO,PMT,PPZ; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Stoker, T. E., Guidici, D. L., Laws, S. C., and Cooper, R. L. (2002). The Effects of Atrazine Metabolites on Puberty and Thyroid Function in the Male Wistar Rat. *Toxicol.Sci.* 67: 198-206.
EcoReference No.: 75117
Chemical of Concern: DEATZ,DIATZ,DCT; Habitat: T; Effect Codes: CEL,GRO,BCM; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Stoker, T. E, Laws, S. C., Guidici, D. L., and Cooper, R. L. (2000). The Effect of Atrazine on Puberty in Male Wistar Rats: An Evaluation in the Protocol for the Assessment of Pubertal Development and Thyroid Function. *Toxicol.Sci.* 58: 50-59.
EcoReference No.: 71275
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Stoker, T. E., Robinette, C. L., and Cooper, R. L. (1999). Maternal Exposure to Atrazine During Lactation Suppresses Suckling-Induced Prolactin Release and Results in Prostatitis in the Adult Offspring . *Toxicol.Sci.* 52: 68-79.
EcoReference No.: 71277
Chemical of Concern: ATZ; Habitat: T; Effect Codes: BEH,REP,GRO,BCM,CEL; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Stratton, G. W. and Giles, J. (1990). Importance of Bioassay Volume in Toxicity Tests Using Algae and Aquatic Invertebrates. *Bull.Environ.Contam.Toxicol.* 44: 420-427.
EcoReference No.: 2554
Chemical of Concern: ATZ,PMR,DDT; Habitat: A; Effect Codes: PHY; Rejection Code: Less sensitive endpoint.

Stratton, G. W., Huber, A. L., and Corke, C. T. (1980). The Effect of Pesticides and Their Metabolites, Alone and in Combination, on Algal Processes. *In: J.F.Klaverkamp, S.L.Leonard and K.E.Marshall (Eds.), Proc.6th Annu.Tox.Workshop, Can.Tech.Rep.Fish Aquat.Sci.No.975* 131-139.
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.

Sund, K. A. and Nomura, N. (1963). Laboratory Evaluation of Several Herbicides. *Weed Res.* 3: 35-43.
EcoReference No.: 42840
Chemical of Concern: PNB,SZ,ATZ,DU,24DXY,DBN,DMB,LNR,PMT,AMTL,CPP,MLH,PL,NaCLO,PCP,EPTC,2CP,4NP,AMTR,PCP,DLPCP,DL; Habitat: T; Effect Codes: GRO,REP,MOR; Rejection Code: Less sensitive

endpoint.

Svobodova, Z., Vykusova, B., and Machova, J. (1994). The Effects of Pollutants on Selected Haematological and Biochemical Parameters in Fish. *In: R.Muller and R.Lloyd (Eds.), Sublethal and Chronic Effects of Pollutants on Freshwater Fish, Chapter 4, Fishing News Books, London* 39-52.
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.

Tanaka, T., Kohno, H., Suzuki, R., and Sugie, S. (2004). Lack of Modifying Effects of an Estrogenic Compound Atrazine on 7,12-Dimethylbenz(a)anthracene-Induced Ovarian Carcinogenesis in Rats. *Cancer Lett.* 210: 129-137.
EcoReference No.: 81670
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,BEH,PHY,CEL; Rejection Code Terrestrial mammalian endpoints were not considered for this assessment.

Tang, J., Hoagland, K. D., and Siegfried, B. D. (1998). Uptake and Bioconcentration of Atrazine by Selected Freshwater Algae. *Environ.Toxicol.Chem.* 17: 1085-1090.
EcoReference No.: 19284
Chemical of Concern: ATZ; Habitat: A; Effect Codes: ACC,GRO,POP; Rejection Code: Plant residue studies were not considered for this assessment.

Tavera-Mendoza, L., Ruby, S., Brousseau, P., Fournier, M., Cyr, D., and Marcogliese, D. (2002). Response of the Amphibian Tadpole (Xenopus laevis) to Atrazine During Sexual Differentiation of the Testis . *Environ.Toxicol.Chem.* 21: 527-531.
EcoReference No.: 60639
Chemical of Concern: ATZ; Habitat: A; Effect Codes: MOR,GRO,REP,CEL; Rejection Code: LITE In White Paper on Amphibians.

Tavera-Mendoza, L., Ruby, S., Brousseau, P., Fournier, M., Cyr, D., and Marcogliese, D. (2002). Response of the Amphibian Tadpole Xenopus laevis to Atrazine During Sexual Differentiation of the Ovary. *Environ.Toxicol.Chem.* 21: 1264-1267.
EcoReference No.: 77830
Chemical of Concern: ATZ; Habitat: A; Effect Codes: GRO,CEL; Rejection Code: In White Paper on Amphibians.

Tennant, A. H., Peng, B., and Kligerman, A. D. (2001). Genotoxicity Studies of Three Triazine Herbicides: In Vivo Studies Using the Alkaline Single Cell Gel (SCG) Assay. *Mutat.Res.* 493: 1-10.
EcoReference No.: 69613
Chemical of Concern: ATZ,SZ,CZE; Habitat: T; Effect Codes: PHY; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Tennant, M. K., Hill, D. S., Eldridge, J. C., Wetzel, L. T., Breckenridge, C. B., and Stevens, J. T. (1994). Chloro-s-Triazine Antagonism of Estrogen Action: Limited Interaction with Estrogen Receptor Binding. *J.Toxicol.Environ.Health* 43: 197-211.
EcoReference No.: 69614
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: BCM; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Tennant, M. K., Hill, D. S., Eldridge, J. C., Wetzel, L. T., Breckenridge, C. B., and Stevens, J. T. (1994). Possible Antiestrogenic Properties of Chloro-s-Triazines in Rat Uterus. *J.Toxicol.Environ.Health* 43: 183-196.
EcoReference No.: 69615
Chemical of Concern: ATZ,SZ; Habitat: T; Effect Codes: BCM,GRO; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

Toth, D. and Tomasovicova, D. (1979). Effect of Pesticides on Survival of Tetrahymena pyriformis in Danube Waters. *Biologia (Bratisl.)* 34: 233-239 (Author Communication Used).
EcoReference No.: 5950
Chemical of Concern: ATZ,MLN,Folpet; Habitat: A; Effect Codes: MOR; Rejection Code: Less sensitive endpoint.

Trentacoste, S. V., Friedmann, A. S., Youker, R. T., Breckenridge, C. B., and Zirkin, B. R. (2001). Atrazine Effects on Testosterone Levels and Androgen-Dependent Reproductive Organs in Peripubertal Male Rats. *J.Androl.* 22: 142-148.
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Chemical of Concern: ATZ; Habitat: T; Effect Codes: BCM; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

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EcoReference No.: 16872
Chemical of Concern: ATZ,CuCl; Habitat: A; Effect Codes: PHY,BCM,POP; Rejection Code: Less sensitive endpoint.

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EcoReference No.: 11780
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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EcoReference No.: 81744
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.

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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.

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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.

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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,HCB,TPTH; Habitat: T; Effect Codes: GRO,BCM,PHY,CEL; Rejection Code: Terrestrial mammalian endpoints were not considered for this assessment.

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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.Environ.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. *Environ.Toxicol.Chem.* 7: 925-929.
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.

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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.

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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: Terrestrial invertebrate endpoints were not considered for this assessment.

Yu, S. J. (2004). Induction of Detoxification Enzymes by Triazine Herbicides in the Fall Armyworm, Spodoptera frugiperda (J.E. Smith). *Pestic.Biochem.Physiol.* 80: 113-122.
EcoReference No.: 78019
Chemical of Concern: SZ,AMTR,CZE,ATZ; Habitat: T; Effect Codes: BCM,MOR; Rejection Code: Terrestrial invertebrate endpoints were not considered for this assessment. No effect at any test concentration.

Zagorc-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-IRED (October 2003 - February 2006): Acceptable for ECOTOX but not OPP

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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).

Abe, T., Shimizu, R., Iwamura, H., and Kameya, T. (1987). Flower Induction by Atrazine Analogues in Seedlings of Asparagus officinalis. *Physiol.Plant.* 70: 228-230 .
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).

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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.
EcoReference No.: 80148
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(ATZ).

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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: 321-324.
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.
EcoReference No.: 80105
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).

Antychowicz, J., Szymbor, E., and Roszkowski, J. (1979). Investigations upon the Effects of Some Pesticides on Carp (Cyprinus carpio). *Bull.Vet.Inst.Pulawy* 23: 124-130.
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).

Arnold, G. W., Weeldenberg, J. W., and Leone, J. (1998). Herbicide Control of Exotic Annual Plant Species in Acacia acuminata-Eucalyptus loxephleba Woodland in South-Western Australia and Effects on Native Ground Flora. *Plant Prot.Q.* 13: 39-43.
EcoReference No.: 70505
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).

Ashton, F. M., Devilliers, O. T., Glenn, R. K., and Duke, W. B. (1977). Localization of Metabolic Sites of Action on Herbicides . *Pestic.Biochem.Physiol.* 7: 122-141.
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) .

Ashton, F. M., Gifford, E. M. Jr., and Bisalputra, T. (1963). Structural Changes in Phaseolus Vulgaris Induced by Atrazine I. Histological Changes. *Bot.Gaz.* 124: 329-335.
EcoReference No.: 42102
Chemical of Concern: ATZ; Habitat: T; Effect Codes: PHY; Rejection Code: NO ENDPOINT(ATZ).

Ashton, F. M., Gifford, E. M. Jr., and Bisalputra, T. (1963). Structural Changes in Phaseolus vulgaris Induced by Atrazine II. Effects on Fine Structure of Chloroplasts. *Bot.Gaz.* 124: 332-343.
EcoReference No.: 27324
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).

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EcoReference No.: 30757
Chemical of Concern: ATZ; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: TARGET(ATZ).

Atkins, C. A. and Tchan, Y. T. (1967). Study of Soil Algae. VI. Bioassay of Atrazine and the Prediction of Its Toxicity in Soils Using an Algal Growth Method. *Plant Soil* 27: 432-442.

EcoReference No.: 63367
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO,POP; Rejection Code: TARGET(ATZ).

Bachthaler, G. and Fischbeck, G. (1977). Zytologische Wirkungen Von Herbiziden Auf Kulturpflanzen Unter Berucksichtigung Ihres Einsatzes Bei der Erhaltungszuchtung. *Ber Arbeitstag Arbeitsgem Saatzuchtleiter* 28: 77.
EcoReference No.: 26484
Chemical of Concern: ATZ; Habitat: T; Rejection Code: NO FOREIGN.

Bacon, R. K., Collins, F. C., and Lavy, T. L. (1986). Evaluation of Wheat Cultivars for Seedling Tolerance to Atrazine. *Field Crops Res.* 14: 135-139.
EcoReference No.: 79730
Chemical of Concern: ATZ; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(ATZ).

Baker, E. A., Hayes, A. L., and Butler, R. C. (1992). Physicochemical Properties of Agrochemicals: Their Effects on Foliar Penetration. *Pestic.Sci.* 34: 167-182 .
EcoReference No.: 70752
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: ACC; Rejection Code: TARGET(SZ,ATZ).

Bakke, J. E., Larson, J. D., and Price, C. E. (1972). Metabolism of Atrazine and 2-Hydroxyatrazine by the Rat. *J.Agric.Food Chem.* 20: 602-607.
EcoReference No.: 81668
Chemical of Concern: ATZ; Habitat: T; Effect Codes: ACC; Rejection Code: NO CONTROL,ENDPOINT(ALL CHEMS).

Balasubrahmanyam, V. R. and Khanduja, S. D. (1973). Effect of Foliar Sprays of Uracil, Xanthine and Caffeine on the Nucleic Acid and Protein Content of Leaves and Fruiting of Thompson Seedless Grapes (Der Einfluss von Spruhbehandlungen mit Uracil, Xanthin und Coffein auf den Nukleinsaure- und Proteingehalt der Blatter Sowie den Fruchtansatz bei Thompson-Seedless-Reben). *Vitis* 12: 100-104.
EcoReference No.: 63528
Chemical of Concern: ATZ; Habitat: T; Rejection Code: TARGET(ATZ).

Ballhorn, L., Freitag, D., Geyer, H., Quast, I., and et al. (1984). Uberprufung der Durchfuhrbarkeit von Prufungsvorschriften und der Aussagekraft der Stufe I und II des E. Chem. G. *Forschungsbericht No.106 04 011/02, Umweltbundesamt Berlin (OECDG Data File).*
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.
EcoReference No.: 79734
Chemical of Concern: ATZ; Habitat: T; Effect Codes: BCM,GRO,POP; Rejection Code: TARGET(ATZ).

Banaszkiewicz, T., Radecki, J., and Kozaczenko, H. (1991). Atrazine and Lead Content in Maize Seedlings (Zea mays L.) Treated by Herbicide and Lead Compounds. *Acta Physiol.Plant.* 13: 91-94.
EcoReference No.: 79733
Chemical of Concern: ATZ,Pb; Habitat: T; Effect Codes: BCM,ACC; Rejection Code: TARGET(ATZ).

Banks, K. E., Turner, P. K., Wood, S. H., and Matthews, C. (2005). Increased Toxicity to Ceriodaphnia dubia in Mixtures of Atrazine and Diazinon at Environmentally Realistic Concentrations. *Ecotoxicol.Environ.Saf.* 60: 28-36.
EcoReference No.: 76752
Chemical of Concern: ATZ,DZ; Habitat: A; Effect Codes: MOR; Rejection Code: OK(DZ),NO MIXTURE(ATZ).

Barba, R. C. and Romanowski, R. R.,Jr. (1969). Differential Phytotoxicity of Atrazine and Ametryne to Bananas. *Weed Res.* 9: 114-120.
EcoReference No.: 43360
Chemical of Concern: ATZ; Habitat: T; Effect Codes: MOR,PHY; Rejection Code: NO ENDPOINT(ATZ).

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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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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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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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AS(24DXY,ABT,ACL,AMTL,AMTR,ASM,ATN,AZ,BFL,BMC,BMN,BS,BTY,CCA,CMPH,CPP,CPY,CQTC,CTHM,DBN,DCB,DCNA,DDT,DINO,DOD,DPP,DQTBr,DU,DZM,EP,EPTC,ES,FMU,FNF,FNT,Folpet,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:
AND,CHD,DDT,DLD,ES,EN,HPT,TXP,DZ,CPY,PRN,CBL,ACL,ATZ,Cu,EDT,SZ,As; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS). Less sensitive endpoint.

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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,CPP,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: 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:
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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: 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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EcoReference No.: 73539
Chemical of Concern: MTL,ATZ,ACR; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT(MTL),TARGET(ATZ).

Neumann, S., Grimm, E., and Jacob, F. (1985). Transport of Xenobiotics in Higher Plants I. Structural Prerequisites for Translocation in the Phloem. *Biochem.Physiol.Pflanz.* 180: 257-268.

EcoReference No.: 71754
Chemical of Concern: ATZ,24DXY; Habitat: T; Effect Codes: ACC,GRO; Rejection Code: TARGET(ATZ).

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EcoReference No.: 3040

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

Newton, M. and Overton, W. S. (1973). Direct and Indirect Effects of Atrazine, 2,4-D and Dalapon Mixtures on Conifers. *Weed Sci.* 21: 269-275.

EcoReference No.: 28375
Chemical of Concern: ATZ,24DXY; Habitat: T; Effect Codes: MOR,POP; Rejection Code: TARGET(ATZ).

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

Nishimoto, R. K. (1992). Evaluation of Pre-emergence Herbicides for Establishing Coffee. *Trop.Pest Manag.* 38: 298-301.

EcoReference No.: 70131
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: PHY,GRO,POP; Rejection Code: TARGET(SZ,ATZ).

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EcoReference No.: 70514
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: POP,PHY; Rejection Code: TARGET(SZ,ATZ).

Nishimoto, R. K., Yip, C. P., and Sweet, R. D. (1978). Some Factors Influencing Atrazine Activity on Yellow Nutsedge (Cyperus Esculentus). *Weed Sci.* 26: 421-425.

EcoReference No.: 41486
Chemical of Concern: ATZ; Habitat: T; Effect Codes: GRO; Rejection Code: OK TARGET(ATZ).

Nishiuchi, Y. (1972). Toxicity of Pesticides to Some Water Organisms. *Bull.Agric.Chem.Insp.Stn.(Noyaku Kensasho Hokoku)* 12: 122-128 (JPN) (ENG TRANSL).

EcoReference No.: 10258
Chemical of Concern:
3CE,AC,AMTL,AMTR,AND,As,ATZ,BMC,BS,Captan,CBL,CPA,CPY,CTN,Cu,DBN,DCPA,DDT,DDVP,DLD,DMB,DMT,DPA,DSMA,DU,DZ,EDB,EDC,EN,EPTC,ES,ETN,Fe,FLAC,FML,FNT,FNTH,HCCH,Hg,HPT,LNR,MCAP,MCPB,MCPP,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).

Nishiuchi, Y. and Asano, K. (1979). Toxicity of Agricultural Chemicals to Some Freshwater Organisms - 59. *The Aquiculture (Suisan Zoshoku)* 27: 48-55 (JPN) (ENG TRANSL).

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).

Nishiuchi, Y. and Hashimoto, Y. (1967). Toxicity of Pesticide Ingredients to Some Fresh Water Organisms. *Sci.Pest Control (Botyu-Kagaku)* 32: 5-11 (JPN) (ENG ABS) (Author Communication Used).

EcoReference No.: 15192
Chemical of Concern: ATZ,Captan,CBL,CTN,DBN,DMB,DMT,DU,DZ,HCCH,LNR,MLN,MP,PMT,PSM,SZ,24DXY,MCPB,NaPCP,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.

EcoReference No.: 73769
Chemical of Concern: ATZ,MTL,DMB,24DXY; Habitat: T; Effect Codes: POP; Rejection Code: OK(MTL),OK TARGET(DMB,ATZ).

Office of Pesticide Programs (2000). Pesticide Ecotoxicity Database (Formerly: Environmental Effects Database (EEDB)). *Environmental Fate and Effects Division, U.S.EPA, Washington, D.C.*

EcoReference No.: 344
Chemical of Concern: 24DXY,ACL,ACP,ACR,AKTMD,ALSV,APAC,AQS,AsAC,ATM,ATN,ATZ,AZ,BBN,BDF,BFT,BMC,BML,BMN,Br2,BrCl,BRSM,BS,BT,CaPS,Captan,CBF,CBL,CFE,CFE,CFRM,CLNB,CLP,CMPH,CPC,CPY,CQTC,CrACCTN,CTZ,Cu,CuFRA,CuO,CuOT,CuTE,CuS,CYD,CYF,CYP,CYT,DBN,DCNA,DBAC,DDAC,DFT,DFZ,DIIS,DKGNa,DM,DMB,DMM,DMP,DMT,DOD,DPC,DPDP,DS,DSP,DU,DZ,DZM,EFL,EFS,EFV,EP,FHX,FAME,FMP,FO,Folpet,FPN,FPP,FVL,GTN,GYP,HCCH,HXZ,IGS,IPD,IZP,KMFD,LNR,MAL,MB,MBZ,MDT,MFDD,MFX,MFZ,MGK,MLN,MLT,MOM,MP,MTC,MTL,MTM,NAA,NaBr,Naled,NFZ,NPP,NTP,OTN,OXF,OXT,OYZ,PCP,PCZ,PDM,PEB,PHMD,PMR,PMT,PNB,PPB,PPG,PPMH,PPZ,PQT,PRB,PRT,PSM,PYN,PYZ,RSM,RTN,SMM,SMT,SS,SXD,SZ,TBC,TCMTB,TDC,TDF,TDZ,TET,TFN,TFR,TMT,TPR,TRB,WFN,ZnP; Habitat: AT; Effect Codes: MOR,POP,PHY,GRO,REP; Rejection Code: NO EFED (344).

Okamura, H., Aoyama, I., Liu, D., Maguire, R. J., Pacepavicius, G. J., and Lau, Y. L. (2000). Fate and Ecotoxicity

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EcoReference No.: 56747
Chemical of Concern: SZ,ATZ; Habitat: AT; Effect Codes: POP,GRO; Rejection Code: NO CONTROL(ALL CHEMS).

Ort, M. P., Fairchild, J. F., and Finger, S. E. (1994). Acute and Chronic Effects of Four Commercial Herbicide Formulations on Ceriodaphnia dubia. *Arch.Environ.Contam.Toxicol.* 27: 103-106.

EcoReference No.: 13689
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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EcoReference No.: 16146
Chemical of Concern: ATZ; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT(ATZ).

Pakzad, U. and Schlosser, E. (1998). Effect of Pesticides on a Vampire Amoeba (Wirkung von Pflanzenschutzmittein auf eine Vampiramobe). *Z.Pflanzenkr.Pflanzenschutz* 105: 100-103.

EcoReference No.: 75059
Chemical of Concern: ATZ,BMY,DMT; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

Palmer, J. S. and Radeleff, R. D. (1969). The Toxicity of Some Organic Herbicides in Cattle, Sheep, and Chickens. *Production Research Rep.No.106, U.S.Dep Agriculture, Agricultural Research Service, Washington, DC.*

EcoReference No.: 80737
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).

Palmstrom, N. and Krieger, K. A. (1983). The Effects of Atrazine and Metolachlor on the Vegetative Growth of Lemna minor L. *Ohio J.Sci.* 83: 90 (ABS).

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

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EcoReference No.: 82042
Chemical of Concern: ATZ,MBZ,SFS,TKY; Habitat: T; Effect Codes: MOR,PHY,POP; Rejection Code: OK TARGET(ATZ),OK(ALL CHEMS).

Pantera, H. (1970). The Effect of Herbicides on Algae in the Soil. *Meded.Fac.Landbouwkd.Toegep.Biol.Wet.Univ.Gent* 35: 847-854.

EcoReference No.: 59594
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: BCM; Rejection Code: NO

ENDPOINT(SZ),TARGET(ATZ).

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EcoReference No.: 78294
Chemical of Concern: ATZ,PRN,DZ,Captan,CBL,MLN,24DXY,TXP,MXC; Habitat: A; Effect Codes: GRO; Rejection Code: NO ENDPOINT(ALL CHEMS) .

Parochetti, J. V. (1974). Canada Thistle Control with Atrazine. *Weed Sci.* 22: 28-31.

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

Parochetti, J. V. (1974). Cyprazine, Cyanazine, and Atrazine for Weed Control in Corn. *Proc.Northeast.Weed Sci.Soc.* 28: 1-6.

EcoReference No.: 41359
Chemical of Concern: ATZ,CZE; Habitat: T; Effect Codes: PHY,POP; Rejection Code: OK(ALL CHEMS),OK TARGET(ATZ).

Parochetti, J. V., Burt, G. W., and Bell, A. W. (1976). Triazines, Acetanilides, and Several Other Herbicides for Weed Control in Corn. *Proc.Northeast.Weed Sci.Soc.* 30: 48-54.

EcoReference No.: 40658
Chemical of Concern: ATZ; Habitat: T; Effect Codes: MOR,POP,PHY; Rejection Code: NO ENDPOINT(TARGET-ATZ).

Paromienskaja, L. N. (1975). Influence of Triazines on Rhizobium lupini and Their Relation with Plants. *Rocz.Glebozn.* 26: 131-135.

EcoReference No.: 71305
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: POP,BCM; Rejection Code: TARGET(SZ,ATZ).

Patil, B. N., Panchal, Y. C., and Patil, V. S. (1983). Efficiency of Chemical and Cultural Methods of Weed Control in Rabi Sorgum Under Irrigated Conditions. *Mysore J.Agric.Sci.* 17: 230-234.

EcoReference No.: 70532
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: POP,GRO; Rejection Code: TARGET(SZ,ATZ).

Paulov, S. (1976). The Effects of the Herbicides Burex, Zeazin-50, and Aminex on the Development of Amphibia (Ucinky Herbicidov Burex, Zeazin-50 a Aminex Na Vyvoj Obojzivelnikov). *Agrochemia* 16: 102-103 (SLO) (ENG ABS).

EcoReference No.: 7883
Chemical of Concern: ATZ,PYZ; Habitat: A; Effect Codes: GRO; Rejection Code: NO FOREIGN.

Pawlak, J. A., Kells, J. J., Barrett, M., and Meggitt, W. F. (1987). Effect of Atrazine Residue on Soybean Growth Under Three Tillage Systems and Various Herbicides. *Weed Technol.* 1: 140-144.

EcoReference No.: 80057
Chemical of Concern: ATZ,ACR,PAQT,MBZ; Habitat: T; Effect Codes: POP,PHY; Rejection Code: TARGET(ATZ).

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EcoReference No.: 18558
Chemical of Concern: ATZ,HCCH; Habitat: A; Effect Codes: POP,PRS,PHY; Rejection Code: NO ENDPOINT(ALL CHEMS).

Peichl, L., Lay, J. P., and Korte, F. (1985). Effects of Atrazine and 2,4-Dichlorophenoxyacetic acid to the Population Density of Phyto- and Zooplankton in an Aquatic Outdoor System. *J.Water Wastewater Res.* 18: 217-222(GER) (ENG ABS).

EcoReference No.: 4178
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).

Percich, J. A. and Lockwood, J. L. (1978). Interaction of Atrazine with Soil Microorganisms: Population Changes and Accumulation. *Can.J.Microbiol.* 24: 1145-1152.

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

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

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EcoReference No.: 56303
Chemical of Concern: DBN,HCCH,PCP,ATZ; Habitat: T; Effect Codes: GRO; Rejection Code: NO

FOREIGN.

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EcoReference No.: 38319
Chemical of Concern: ATZ; Habitat: T; Effect Codes: REP; Rejection Code: NO ENDPOINT(ALL CHEMS).

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EcoReference No.: 41105
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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EcoReference No.: 41029
Chemical of Concern: 24DXY,ATZ,GYP; Habitat: T; Effect Codes: GRO; Rejection Code: OK(ALL CHEMS),OK TARGET(ATZ).

Pfahler, F. (1938). Versuche Uber Die Wirkungzusatzlicher Auxin-(Heteroauxin) Gaben Auf Das Wachstum Intakter Pflanzen. *Jar Wis Bot* 86: 675-719.

EcoReference No.: 27000
Chemical of Concern: ATZ; Habitat: T; Rejection Code: NO FOREIGN.

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EcoReference No.: 76043
Chemical of Concern: ACB,MBZ,TET,AMTR,ATZ,CZE; Habitat: T; Effect Codes: PHY,POP; Rejection Code: NO CONTROL,ENDPOINT(ALL CHEMS,TARGET-ATZ).

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EcoReference No.: 8258
Chemical of Concern: SZ,ATZ,PMT,PAQT; Habitat: A; Effect Codes: MOR,POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

Pillai, C. G. P. and Davis, D. E. (1973). S-Triazine Effects on Seed Germination and Hypocotyl Hook Opening. *Weed Sci.* 21: 461-464.

EcoReference No.: 41225
Chemical of Concern: SZ,PMT,AMTR,ATZ,PRO,PPZ; Habitat: T; Effect Codes: REP,GRO; Rejection Code: LITE EVAL CODED(PPZ),OK(ALL CHEMS),OK TARGET(ATZ,SZ).

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EcoReference No.: 15023
Chemical of Concern: ATZ; Habitat: A; Effect Codes: ACC,PHY; Rejection Code: NO ENDPOINT,CONTROL(ATZ).

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EcoReference No.: 25867
Chemical of Concern: SZ,PPZ,ATZ,PRO,PMT; Habitat: T; Effect Codes: POP,BCM; Rejection Code: NO ENDPOINT(ALL CHEMS,TARGET-ATZ).

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EcoReference No.: 71612
Chemical of Concern: ATZ,DBN,24DXY,GYP; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT(ALL CHEMS).

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

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EcoReference No.: 57077
Chemical of Concern: ATZ; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

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EcoReference No.: 6711
Chemical of Concern: ATZ; Habitat: A; Effect Codes: BEH,REP; Rejection Code: NO FOREIGN.

Prasad, K. and Singh, R. S. (1995). Influence of Weed-Control Measures on Weed Growth, Nutrient Uptake and Tuber Yield of Potato (Solanum tuberosum). *Indian J.Agric.Sci.* 65: 46-48.

EcoReference No.: 80528
Chemical of Concern: ACR,ATZ,OXF,PDM,GYP; Habitat: T; Effect Codes: GRO,BCM,POP; Rejection Code: TARGET(ATZ).

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EcoReference No.: 15634
Chemical of Concern: ATZ,DU,As,NP,HgCl2; Habitat: A; Effect Codes: MOR,PHY; Rejection Code: NO ENDPOINT(ALL CHEMS).

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EcoReference No.: 69625
Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP,SYS; Rejection Code: NO DURATION(ATZ).

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EcoReference No.: 44179
Chemical of Concern: ATZ,DU,BMN; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT(TARGET-ATZ).

Pylypiw, H. M. Jr., Bugbee, G. J., and Frink, C. R. (1993). Uptake of Pre-emergent Herbicides by Corn: Distribution in Plants and Soil. *Bull.Environ.Contam.Toxicol.* 50: 474-478.

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

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

Radosevich, S. R. (1977). Mechanism of Atrazine Resistance in Lambsquarters and Pigweed. *Weed Sci.* 25: 316-318.

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

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

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

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

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

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

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Chemical of Concern: ATZ,DU; Habitat: A; Effect Codes: GRO,REP; Rejection Code: NO ENDPOINT(ALL CHEMS).

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Chemical of Concern: Cu,Hg,DM,FNT,FNV,MXC,ATZ,24DXY,TRL,TFN; Habitat: A; Effect Codes: POP,SYS; Rejection Code: NO ENDPOINT(ALL CHEMS).

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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: NO CONTROL(ALL CHEMS).

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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,SZ,24DXY,LNR,TFN,PPZ,AMTR,AMTL,DU; Habitat: T; Effect Codes: PHY; Rejection Code: NO ENDPOINT(ALL CHEMS).

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

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EcoReference No.: 41903
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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EcoReference No.: 40682
Chemical of Concern: DMB,MCPA,AMTL,ATZ,PCL,24DXY; Habitat: T; Effect Codes: POP; Rejection Code: OK(ALL CHEMS),OK TARGET(ATZ,DMB).

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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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EcoReference No.: 70649
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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Chemical of Concern: ATZ; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ATZ).

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

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

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

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

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

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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,Pb; Habitat: AT; Effect Codes: ACC,GRO; Rejection Code: NO ENDPOINT(ALL CHEMS).

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EcoReference No.: 54587
Chemical of Concern: ATZ,PAQT; Habitat: T; Effect Codes: GRO,MOR,REP; Rejection Code: NO ENDPOINT(ALL CHEMS).

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EcoReference No.: 27378
Chemical of Concern: SZ,ATZ,DU; Habitat: T; Effect Codes: POP; 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.

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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).

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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).

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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).

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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).

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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.: 81758
Chemical of Concern: ATZ,DV,GYP; Habitat: A; Effect Codes: CEL; Rejection Code: NO MIXTURE(ATZ,DU),OK(GYP).

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EcoReference No.: 69626; Habitat: A; Effect Codes: MOR; Rejection Code: NO COC(ATZ).

Teasdale, J. R. (1985). Avoidance of Herbicide Injury by Placement Between Rows of Polyethylene Mulch. *Hortscience* 20: 871-872.

EcoReference No.: 73264
Chemical of Concern: MTL,ACR,OYZ,LNR,OXF,ATZ,MBZ,PQT; Habitat: T; Effect Codes: GRO,POP,PHY; Rejection Code: LITE EVAL CODED(MTL),TARGET(ATZ).

Teasdale, J. R. (1995). Influence of Narrow Row/High Population Corn (Zea mays) on Weed Control and Light Transmittance. *Weed Technol.* 9: 113-118.

EcoReference No.: 73948
Chemical of Concern: ATZ,PAQT,MTL; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE(MTL,ATZ).

Tewari, M. N., Balasimha, D., and Ram, C. (1976). Biochemical Changes in the Germinating Seeds of Trigonella foenum graecum L. in Relation to S-Triazine Herbicides. *Biol.Plant.(Praha)* 18: 268-272.

EcoReference No.: 41794
Chemical of Concern: SZ,ATZ; Habitat: T; Effect Codes: BCM,GRO; Rejection Code: NO ENDPOINT(SZ,ATZ).

Thakur, D. R. and Singh, K. K. (1990). Weed and Fertilizer Management in Rainfed Maize (Zea mays) Under Mid-hill Conditions of North-Western Himalayas. *Ind.J.Agric.Sci.* 60: 245-248.

EcoReference No.: 81290
Chemical of Concern: ATZ,24DXY,PDM; Habitat: T; Effect Codes: GRO,REP,POP; Rejection Code: TARGET(ATZ).

Thakur, D. R., Singh, K. K., and Thakur, R. C. (1990). Effect of Weed and Fertilizer Management on Nutrient Uptake by Weeds and Maize (Zea mays L.) Under Rainfed Conditions. *Indian J.Agron.* 35: 357-360.

EcoReference No.: 79732
Chemical of Concern: ATZ,PDM; Habitat: T; Effect Codes: ACC,BCM; Rejection Code:

TARGET(ATZ).

Thomas, V. M. Jr., Buckley, L. J., Sullivan, J. D. Jr., and Ikawa, M. (1973). Effect of Herbicides on the Growth of Chlorella and Bacillus Using the Paper Disc Method. *Weed Sci.* 21: 449-474.

EcoReference No.: 67240
Chemical of Concern: ATZ,SZ; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

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Chemical of Concern: SZ,DU,PAQT,24DXY,EDT,AMTR,DBN,TFN,ATZ,PRO,Cu,CuS; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(SZ,CuS),OK(ALL CHEMS),NO COC(ATZ).

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Atrazine Updates (March-October 2006)
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EcoReference No.: 86238
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Chemical of Concern: CdCl,MTL,ATZ,K2CrO7; Habitat: T; Effect Codes: POP,MOR; Rejection Code: Terrestrial invertebrate endpoints were not considered for this assessment.

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

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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 Feyereisen, 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: Terrestrial invertebrate endpoints were not considered for this assessment. 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.Environ.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.Environ.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 Progestin 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).