

APPENDIX I.: BIBLIOGRAPHY OF ECOTOX OPEN LITERATURE DATA REVIEWED FOR TRICLOPYR

A screen of the ECOTOX database was completed for Triclopyr (acid, TEA and BEE) in May 2009. Of the Triclopyr ECOTOX studies that were reviewed there were 11 studies that were found to be more sensitive than the registrant submitted studies. However, upon further review they were all found not to be acceptable E4021, E53090, E80643, E112003, E71730, E108056, E109869, E19654, E111592, and E39579. Found in the bibliography within [brackets] is the description why these studies were not usable within the assessment. They include not enough information being presented, husbandry/methodology issues, efficacy studies, too many variables, not applicable endpoints for assessment, and lack of control mortality. Below is an explanation of the OPP acceptability criteria and rejection codes for ECOTOX data.

Explanation of OPP Acceptability Criteria and Rejection Codes for ECOTOX Data

Studies located and coded into ECOTOX must meet acceptability criteria, as established in the *Interim Guidance of the Evaluation Criteria for Ecological Toxicity Data in the Open Literature, Phase I and II*, Office of Pesticide Programs, U.S. Environmental Protection Agency, July 16, 2004. Studies that do not meet these criteria are designated in the bibliography as “Accepted for ECOTOX but not OPP.” The intent of the acceptability criteria is to ensure data quality and verifiability. The criteria parallel criteria used in evaluating registrant-submitted studies. Specific criteria are listed below, along with the corresponding rejection code.

- The paper does not report toxicology information for a chemical of concern to OPP; (Rejection Code: NO COC)
- The article is not published in English language; (Rejection Code: NO FOREIGN)
- The study is not presented as a full article. Abstracts will not be considered; (Rejection Code: NO ABSTRACT)
- The paper is not publicly available document; (Rejection Code: NO NOT PUBLIC (typically not used, as any paper acquired from the ECOTOX holding or through the literature search is considered public))
- The paper is not the primary source of the data; (Rejection Code: NO REVIEW)
- The paper does not report that treatment(s) were compared to an acceptable control; (Rejection Code: NO CONTROL)
- The paper does not report an explicit duration of exposure; (Rejection Code: NO DURATION)
- The paper does not report a concurrent environmental chemical concentration/dose or application rate; (Rejection Code: NO CONC)
- The paper does not report the location of the study (e.g., laboratory vs. field); (Rejection Code: NO LOCATION)
- The paper does not report a biological effect on live, whole organisms; (Rejection Code: NO IN-VITRO)
- The paper does not report the species that was tested; and this species can be verified in a reliable source; (Rejection Code: NO SPECIES)
- The paper does not report effects associated with exposure to a single chemical. (Rejection Code: NO MIXTURE). It should be noted that all papers including data on pesticide mixtures are considered.

Additionally, efficacy studies on target species are excluded and coded as NO TARGET.

Data that originated from the OPP Pesticide Ecotoxicity Database is coded as NO EFED. These data are already available to the chemical team.

Triclorpyr
Papers that Were Accepted for ECOTOX

Acceptable for ECOTOX and OPP

Abdelghani, A. A., Tchounwou, P. B., Anderson, A. C., Sujono, H., Heyer, L. R., and Monkiedje, A. (1997). Toxicity Evaluation of Single and Chemical Mixtures of Roundup, Garlon-3A, 2,4-D, and Syndets Surfactant to Channel Catfish (*Ictalurus punctatus*), Bluegill Sunfish (*Lepomis microchirus*), and Crawfish (*Procambarus* spp.). *Environ.Toxicol.Water Qual.* 12: 237-243.

EcoReference No.: 46779

Chemical of Concern: GYPI,24D,TPRT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(GYPI,TPRT),OK(24D).

Allen, S. L., Hepp, G. R., and Miller, J. H. (2007). Use of Herbicides to Control Alligatorweed and Restore Native Plants in Managed Marshes. *Wetlands* 27: 739-748.

EcoReference No.: 110563

Chemical of Concern: IZP,TPRA; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(TPRA),OK(IZP).

Barron, M. G., Mayes, M. A., Murphy, P. G., and Nolan, R. J. (1990). Pharmacokinetics and Metabolism of Triclopyr Butoxyethyl Ester in Coho Salmon. *Aquat.Toxicol.* 16: 19-32.

EcoReference No.: 110832

Chemical of Concern: TPRB; Habitat: A; Effect Codes: MOR,ACC,PHY; Rejection Code: LITE EVAL CODED(TPRB).

Berrill, M., Bertram, S., McGillivray, L., Kolohon, M., and Pauli, B. (1994). Effects of Low Concentrations of Forest-Use Pesticides on Frog Embryos and Tadpoles. *Environ.Toxicol.Chem.* 13: 657-664.

EcoReference No.: 4021

Chemical of Concern: HXZ,TPR,FNT; Habitat: A; Effect Codes: MOR,PHY; Rejection Code: LITE EVAL CODED(TPR),NO ENDPOINT(HXZ,FNT). [Not enough information, no endpoints]

Carney, E. W., Billington, R., and Barlow, S. M. (2007). Developmental Toxicity Evaluation of Triclopyr Butoxyethyl Ester and Triclopyr Triethylamine Salt in the CD Rat. *Reprod.Toxicol.* 23: 165-174.

EcoReference No.: 110831

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

Chakravarty, P. and Sidhu, S. S. (1987). Effect of Glyphosate, Hexazinone and Triclopyr on In Vitro Growth of Five Species of Ectomycorrhizal Fungi. *Eur.J.For.Pathol.* 17: 204-210.

EcoReference No.: 92276

Chemical of Concern: GYP,HXZ,TPR; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(HXZ,GYP,TPR).

Chen, C. Y., Hathaway, K. M., Thompson, D. G., and Folt, C. L. (2008). Multiple Stressor Effects of Herbicide, pH, and Food on Wetland Zooplankton and a Larval Amphibian. *Ecotoxicol.Environ.Saf.* 71: 209-218.

EcoReference No.: 109869

Chemical of Concern: TPRB; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(TPRB). [Too many variables, not enough replicates]

Cowgill, U. M., Milazzo, D. P., and Landenberger, B. D. (1989). A Comparison of the Effect of Triclopyr Triethylamine Salt on Two Species of Duckweed (Lemna) Examined for a 7-and 14-Day Test Period. *Water Res.* 23: 617-623.

EcoReference No.: 110830

Chemical of Concern: TPRT; Habitat: A; Effect Codes: POP,GRO,BCM; Rejection Code: LITE EVAL CODED(TPRT).

Dow Chemical Co. (1988). The Toxicity of Nine Benchmark Chemicals to *Skeletonema costatum* Cleve with Attachments and Cover Letter Dated 062488. *EPA/OTS Doc.#86-880000309* 30 p. (NTIS/OTS 0514190).

EcoReference No.: 111353

Chemical of Concern: CPH,CBZ,PL,K2Cr2O7,CF,ETHN,TPRT; Habitat: A; Effect Codes: POP,CEL; Rejection Code: LITE EVAL CODED(TPRT,ETHN) .

Duchesne, L. C., Lautenschlager, R. A., and Bell, F. W. (1999). Effects of Clear-Cutting and Plant Competition Control Methods on Carabid (Coleoptera: Carabidae) Assemblages in Northwestern Ontario. *Environ.Monit.Assess.* 56: 87-96.

EcoReference No.: 97441

Chemical of Concern: TPR,GYPI; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(GYPI,TPR).

Edginton, A. N., Stephenson, G. R., Sheridan, P. M., Thompson, D. G., and Boermans, H. J. (2003). Effect of pH and Release on Two Life Stages of Four Anuran Amphibians. *Environ.Toxicol.Chem.* 22: 2673-2678.

EcoReference No.: 71730

Chemical of Concern: TPRB; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(TPR). [Husbandry issues with FETAX assay, too many variables, not applicable]

Estok, D., Freedman, B., and Boyle, D. (1989). Effects of the Herbicides 2,4-D, Glyphosate, Hexazinone, and Triclopyr on the Growth of Three Species of Ectomycorrhizal Fungi. *Bull.Environ.Contam.Toxicol.* 42: 835-839.

EcoReference No.: 93391

Chemical of Concern: GYP,24D,HXZ,TPR; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(24D,GYP,HXZ,TPR).

Gabor, T. S., Haagsma, T., and Murkin, H. R. (1996). Wetland Plant Responses to Varying Degrees of Purple Loosestrife Removal in Southeastern Ontario, Canada. *Wetlands* 16: 95-98.

EcoReference No.: 110828

Chemical of Concern: TPRA; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(TPRA).

Gabor, T. S., Haagsma, T., Murkin, H. R., and Armson, E. (1995). Effects of Triclopyr Amine on Purple Loosestrife and Non-Target Wetland Plants in South-Eastern Ontario, Canada. *J.Aquat.Plant Manag.* 33: 48-51.

EcoReference No.: 110829

Chemical of Concern: TPRA; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(TPRA).

Gardner, S. C., Grue, C. E., Grassley, J. M., Lenz, L. A., Lindenauer, J. M., and Seeley, M. E. (1997). Single Species Algal (Ankistrodesmus) Toxicity Tests with Rodeo and Garlon 3A. *Bull.Environ.Contam.Toxicol.* 59: 492-499.

EcoReference No.: 18369

Chemical of Concern: TPRT,GYP; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(GYP,TPRT).

Gersich, F. M., Hopkins, D. L., Applegath, S. L., Mendoza, C. G., and Milazzo, D. P. (1985). The Sensitivity of Chronic Endpoints Used in Daphnia magna Straus Life-Cycle Tests. In: *R.C.Bahner and D.J.Hansen (Eds.), Aquatic Toxicology and Hazard Assessment, 8th Symposium, ASTM STP 891, Philadelphia, PA* 245-252.

EcoReference No.: 9314

Chemical of Concern: TPR,NH,BRA; Habitat: A; Effect Codes: REP,GRO,MOR; Rejection Code: LITE EVAL CODED(BRA,TPR).

Gersich, F. M., Mendoza, C. G., Hopkins, D. L., and Bodner, K. M. (1984). Acute and Chronic Toxicity of Triclopyr Triethylamine Salt to Daphnia magna Straus. *Bull.Environ.Contam.Toxicol.* 32: 497-502.

EcoReference No.: 11262

Chemical of Concern: TPRT; Habitat: A; Effect Codes: MOR,REP; Rejection Code: LITE EVAL CODED(TPRT).

Getsinger, K. D., Madsen, J. D., Netherland, M. D., and Turner, E. G. (1996). Field Evaluation of Triclopyr (Garlon 3A) for Controlling Eurasian Watermilfoil in the Pend Oreille River, Washington. *Tech.Rep.No.A-96-1, Aquatic Plant Control Research Program, U.S.Army Corp of Engineers, Washington, D.C.*: 72 p.

EcoReference No.: 20204

Chemical of Concern: TPR; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(TPR).

Glomski, L. M. and Nelson, L. S. (2008). Evaluation of 2,4-D Ester and Triclopyr Amine Against Waterlily and Spatterdock. *Army Engineer Waterways Experiment Station, Eng.Res.and Dev.Ctr., Vicksburg, MS* 6 p. (NTIS/01610035).

EcoReference No.: 110562

Chemical of Concern: TPR,24DXY; Habitat: A; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(TPR),OK(24DXY).

Hanley, T. R. Jr., Thompson, D. J., Palmer, A. K., Beliles, R. P., and Schwetz, B. A. (1984). Teratology and Reproduction Studies with Triclopyr in the Rat and Rabbit. *Fundam.Appl.Toxicol.* 4: 872-882.

EcoReference No.: 110871

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

Holmes, S. B., Thompson, D. G., Wainio-Keizer, K. L., Capell, S. S., and Staznik, B. (1994). Effects of Lethal and Sublethal Concentrations of the Herbicide, Triclopyr Butoxyethyl Ester, in the Diet of Zebra Finches. *J.Wildl.Dis.* 30: 319-327 .

EcoReference No.: 39579

Chemical of Concern: TPRB; Habitat: T; Effect Codes: GRO,BEH,MOR; Rejection Code: LITE EVAL CODED(TPRB). [No control mortality information given]

Houston, A. P. C., Visser, S., and Lautenschlager, R. A. (1998). Response of Microbial Processes and Fungal

Community Structure to Vegetation Management in Mixedwood Forest Soils. *Can.J.Bot.* 76: 2002-2010.

EcoReference No.: 97115

Chemical of Concern: GYP,TPR; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(GYP,TPR).

Johansen, J. A. and Geen, G. H. (1990). Sublethal and Acute Toxicity of the Ethylene Glycol Butyl Ether Ester Formulation of Triclopyr to Juvenile Coho Salmon (*Oncorhynchus kisutch*). *Arch.Environ.Contam.Toxicol.* 19: 610-616.

EcoReference No.: 3324

Chemical of Concern: TPR; Habitat: A; Effect Codes: MOR,ACC,PHY; Rejection Code: LITE EVAL CODED(TPR).

Kreutzweiser, D. P., Holmes, S. B., and Behmer, D. J. (1992). Effects of the Herbicides Hexazinone and Triclopyr Ester on Aquatic Insects. *Ecotoxicol.Environ.Saf.* 23: 364-374 (OECDG Data File).

EcoReference No.: 5970

Chemical of Concern: HXZ,TPRB; Habitat: A; Effect Codes: MOR,POP; Rejection Code: LITE EVAL CODED(TPRB),NO ENDPOINT(HXZ).

Kreutzweiser, D. P., Holmes, S. B., and Eichenberg, D. C. (1994). Influence of Exposure Duration on the Toxicity of Triclopyr Ester to Fish and Aquatic Insects. *Arch.Environ.Contam.Toxicol.* 26: 124-129.

EcoReference No.: 13652

Chemical of Concern: TPRB; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(TPRB).

Kreutzweiser, D. P., Thompson, D. G., Staznik, B., and Shepherd, J. A. (1998). Accumulation Dynamics of Triclopyr Ester in Aquatic Leaf Packs and Effects on Detritivorous Insects. *J.Environ.Qual.* 27: 1138-1147.

EcoReference No.: 19654

Chemical of Concern: TPR; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(TPR). [Not applicable endpoint(s) for use in this assessment]

Lembi, C. A. and Chand-Goyal, T. (1994). Plant Growth Regulators as Potential Tools in Aquatic Plant Management: Efficacy and Persistence in Small-Scale Tests. *Contract Report A-94-1, U.S.Army Corps Eng.,Waterways Exp.Stn., Vicksburg,MS* 68 p. (NTIS/02987930).

EcoReference No.: 107917

Chemical of Concern: FPD,AMC,BSFM,IZP,TPR; Habitat: A; Effect Codes: GRO,BCM,PHY,ACC; Rejection Code: LITE EVAL CODED(TPR),NO ENDPOINT,NO PUBL AS(FPD).

Madsen, J. D., Owens, C. S., and Getsinger, K. D. (1998). Evaluation of Four Herbicides for Management of American Frogbit (*Limnobium spongia*). *J.Aquat.Plant Manag.* 36: 148-150.

EcoReference No.: 97638

Chemical of Concern: GYPI,24D,DQTBR,TPRT; Habitat: A; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(GYPI,24D,DQTBR,TPRT).

Madsen, J. D., Wersal, R. M., Getsinger, K. D., and Nelson, L. S. (2008). Sensitivity of Wild Rice (*Zizania palustris* L.) to the Aquatic Herbicide Triclopyr. *J.Aquat.Plant Manag.* 46: 150-154.

EcoReference No.: 110910

Chemical of Concern: TPRT; Habitat: A; Effect Codes: GRO,POP,ACC; Rejection Code: LITE EVAL

CODED(TPRT).

Mayes, M. A., Dill, D. C., Bodner, K. M., and Mendoza, C. G. (1984). Triclopyr Triethylamine Salt Toxicity to Life Stages of the Fathead Minnow (*Pimephales promelas* Rafinesque). *Bull.Environ.Contam.Toxicol.* 33: 339-347.

EcoReference No.: 10699

Chemical of Concern: TPRT; Habitat: A; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(TPRT).

McCarty, L. B. and Colvin, D. L. (1991). Carpetgrass Response to Postemergence Herbicides. *Weed Technol.* 5: 563-565.

EcoReference No.: 110809

Chemical of Concern: MSMA,DFP,IMQ,MAB,SXD,ATZ,DMB,MCP,24D,BT,TPR; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(TPR),OK(BT,24D,MCP,DMB,ATZ,SXD,MAB).

Morgan, J. D., Vigers, G. A., Farrell, A. P., Janz, D. M., and Manville, J. F. (1991). Acute Avoidance Reactions and Behavioral Responses of Juvenile Rainbow Trout (*Oncorhynchus mykiss*) to Garlon 4, Garlon 3A, And Vision Herbicides. *Environ.Toxicol.Chem.* 10: 73-79.

EcoReference No.: 3593

Chemical of Concern: GYP,TPRT,TPRB; Habitat: A; Effect Codes: BEH,MOR; Rejection Code: LITE EVAL CODED(GYP,TPR).

Nelson, L. S., Getsinger, K. D., and Freedman, J. E. (1996). Efficacy of Triclopyr on Purple Loosestrife and Associated Wetland Vegetation. *J.Aquat.Plant Manag.* 34: 72-74.

EcoReference No.: 110827

Chemical of Concern: TPRT; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(TPRT).

Nelson, L. S., Getsinger, K. D., and Freedman, J. E. (1995). Selective Control of Purple Loosestrife with Triclopyr. *Army Engineer Waterways Experiment Station, Vicksburg, MS* 32 p. (NTIS/03008392_a).

EcoReference No.: 110046

Chemical of Concern: TPR; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(TPR).

Netherland, M. D. and Getsinger, K. D. (1992). Efficacy of Triclopyr on Eurasian Watermilfoil: Concentration and Exposure Time Effects. *J.Aquat.Plant Manag.* 30: 1-5 .

EcoReference No.: 110826

Chemical of Concern: TPRT; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(TPRT).

Perkins, M. J. (1997). Effects of Two Formulations of Glyphosate and Triclopyr on Four Non-target Aquatic Species: *Xenopus laevis*, *Myriophyllum sibiricum*, *Lemna gibba* and *Tubifex tubifex*. *M.S.Thesis, Univ.of Guelph, Canada* 110 p. (Publ In Part As 53090) (UMI# AADMM-20515).

EcoReference No.: 111592

Chemical of Concern: GYP,TPR; Habitat: A; Effect Codes: POP,REP,GRO,PHY,BCM,MOR; Rejection Code: LITE EVAL CODED(TPR),OK(GYP). [Husbandry issues with FETAX assay, not enough information]

Perkins, P. J., Boermans, H. J., and Stephenson, G. R. (2000). Toxicity of Glyphosate and Triclopyr Using the Frog

Embryo Teratogenesis Assay - Xenopus. *Environ.Toxicol.Chem.* 19: 940-945.

EcoReference No.: 53090

Chemical of Concern: GYPI,GYP,TPRB,TPRT; Habitat: A; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(GYP,GYPI,TPRB,TPRT). [Husbandry issues with FETAX assay, not enough information]

Perschbacher, P. W., Ludwig, G. M., and Slaton, N. (2002). Effects of Common Aerially Applied Rice Herbicides on the Plankton Communities of Aquaculture Ponds. *Aquaculture* 214: 241-246.

EcoReference No.: 71507

Chemical of Concern: DMDP,CMZ,TBC,PDM,PPN,HSF,QNC,BSFM,TPRT,MLT; Habitat: A; Effect Codes: SYS,POP; Rejection Code: LITE EVAL CODED(PPN,PDM,DMDP,TPRT,TBC),OK(CMZ,QNC,MLT).

Peterson, J. L., Jepson, P. C., and Jenkins, J. J. (2001). A Test System to Evaluate the Susceptibility of Oregon, USA, Native Stream Invertebrates to Triclopyr and Carbaryl. *Environ.Toxicol.Chem.* 20: 2205-2214.

EcoReference No.: 62451

Chemical of Concern: CBL,TPRB; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CBL,TPRB).

Poovey, A. G. and Getsinger, K. D. (2007). Subsurface Applications of Triclopyr and 2,4-D Amine for Control of Water Chestnut (*Trapa natans* L.). *J.Aquat.Plant Manag.* 45: 63-66.

EcoReference No.: 105782

Chemical of Concern: TPRT,DMDP; Habitat: AT; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(DMDP,TPRT).

Poovey, A. G., Slade, J. G., and Netherland, M. D. (2007). Susceptibility of Eurasian Watermilfoil (*Myriophyllum spicatum*) and a Milfoil Hybrid (*M. spicatum* x *M. sibiricum*) to Triclopyr and 2,4-D Amine . *J.Aquat.Plant Manag.* 45: 111-115.

EcoReference No.: 112003

Chemical of Concern: DMDP,TPR; Habitat: A; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(TPR),OK(DMDP). [Not applicable, efficacy test]

Potter, D. A., Buxton, M. C., Redmond, C. T., Patterson, C. G., and Powell, A. J. (1990). Toxicity of Pesticides to Earthworms (*Oligochaeta: Lumbricidae*) and Effect on Thatch Degradation in Kentucky Bluegrass Turf. *J.Econ.Entomol.* 83: 2362-2369.

EcoReference No.: 71484

Chemical of Concern:

TDF,BMY,IZF,PCZ,CTN,TCF,PDM,IFP,FRM,EP,CPY,DZ,CBL,BDC,24D,TPR,DMB; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(CBL,DZ,CTN,CPY,FRM,TCF,BMY,24D,TPR),OK(TDF,IZF,PCZ,PDM,DMB),TARGET(EP).

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* 464 p. (Publ in Part as 60097).

EcoReference No.: 74985

Chemical of Concern:

FeEDTA,PL,ZnCl₂,TPR,24D,ATZ,DQTB_r,FDE,GYP,HXZ,MTL,GYP_A,GYPI,BNZ,ETHN,MOL; Habitat: A; Effect Codes: GRO,BCM,CEL; Rejection Code: LITE EVAL CODED(MTL,ATZ,HXZ,24D,GYP,GYPI,ZnCl₂,FDE,TPR,DQTB_r).

Sar, T. K., Bagchi, B., Das, S. K., Mandal, T. K., Chakraborty, A. K., Bhattacharyya, A., and Choudhury, A. (2002). Toxicokinetics, Recovery, and Metabolism of Triclopyr Butotyl (ACTP) Ester in Goats. *J.Agric.Food Chem.* 50: 4202-4209.

EcoReference No.: 110825

Chemical of Concern: TPRB,TPR; Habitat: T; Effect Codes: PHY,BCM,BEH; Rejection Code: LITE EVAL CODED(TPRB),NO ENDPOINT(TPR).

Smith, R. J. Jr. (1988). Tolerance of Rice (*Oryza sativa*) to Acifluorfen and Triclopyr Applied Alone or in Mixtures with Propanil. *Weed Sci.* 36: 379-383.

EcoReference No.: 110877

Chemical of Concern: ACF,TPR; Habitat: A; Effect Codes: GRO,PHY; Rejection Code: LITE EVAL CODED(TPR),OK(ACF).

Street, J. E., Baldwin, J. L., and Mueller, T. C. (1992). Influence of Growth Stage on Rice (*Oryza sativa*) Tolerance to Triclopyr. *Weed Technol.* 6: 930-933.

EcoReference No.: 110366

Chemical of Concern: TPR; Habitat: AT; Effect Codes: GRO,PHY; Rejection Code: LITE EVAL CODED(TPR).

Timchalk, C., Finco, D. R., and Quast, J. F. (1997). Evaluation of Renal Function in Rhesus Monkeys and Comparison to Beagle Dogs Following Oral Administration of the Organic Acid Triclopyr (3,5,6-Trichloro-2-Pyridinyloxyacetic Acid). *Fundam.Appl.Toxicol.* 36: 47-53.

EcoReference No.: 110824

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

Wan, M. T., Moul, D. J., and Watts, R. G. (1987). Acute Toxicity to Juvenile Pacific Salmonids of Garlon 3A, Garlon 4, Triclopyr, Triclopyr Ester, and Their Transformation Products: 3,5,6-Trichloro-2 Pyridinol and 2-Methoxy-3,5,6-Trichloropyridine. *Bull.Environ.Contam.Toxicol.* 39: 721-728 (OECDG Data File).

EcoReference No.: 12605

Chemical of Concern: TPR,CPY,TCP,TPRB,TRPT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CPY,TPR).

Wojtaszek, B. F., Buscarini, T. M., Chartrand, D. T., Stephenson, G. R., and Thompson, D. G. (2005). Effect of Release Herbicide on Mortality, Avoidance Response, and Growth of Amphibian Larvae in Two Forest Wetlands. *Environ.Toxicol.Chem.* 24: 2533-2544.

EcoReference No.: 108056

Chemical of Concern: TPRB; Habitat: A; Effect Codes: MOR,BEH; Rejection Code: LITE EVAL CODED(TPRB). [Husbandry issues with FETAX assay, too many variables, not enough replicates]

Xie, L., Thrippleton, K., Irwin, M. A., Siemering, G. S., Mekebri, A., Crane, D., Berry, K., and Schlenk, D. (2005). Evaluation of Estrogenic Activities of Aquatic Herbicides and Surfactants Using an Rainbow Trout Vitellogenin Assay. *Toxicol.Sci.* 87: 391-398.

EcoReference No.: 80643

Chemical of Concern: DQTBBr,GYP,DMDP,EED,NYP,TPRT; Habitat: A; Effect Codes: PHY,BCM; Rejection Code: LITE EVAL CODED(DMDP,GYP,DQTBBr,TPRT),NO MIXTURE(EED,NYP). [Not applicable endpoint(s) for use in this assessment]

Acceptable for ECOTOX but not OPP

Asteraki, E. J., Hanks, C. B., and Clements, R. O. (1992). The Impact of the Chemical Removal of the Hedge-Base Flora on the Community Structure of Carabid Beetles (Col., Carabidae) and Spiders (Araneae) of the Field and Hedge Bottom. *J.Appl.Entomol.* 113: 398-406.

EcoReference No.: 96866

Chemical of Concern: TPR,DMB,24D,GYPI; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(GYPI,TPR),MIXTURE (24D,DMB).

Barron, M. G., Hansen, S. C., and Ball, T. (1991). Pharmacokinetics and Metabolism of Triclopyr in the Crayfish (*Procambarus clarki*). *Drug Metab.Dispos.* 19: 163-167.

EcoReference No.: 7422

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

Bartel, L. E. and Rittenhouse, L. R. (1979). Herbicidal Control of Gambel Oak (*Quercus gambelli*) Root Sprouts in Southwestern Colorado. *Down Earth* 36: 6-9.

EcoReference No.: 41790

Chemical of Concern: TPR; Habitat: T; Effect Codes: MOR,PHY; Rejection Code: NO ENDPOINT,NO CONTROL(TPR).

Bramble, W. C., Yahner, R. H., and Byrnes, W. R. (1997). Effect of Herbicides on Butterfly Populations of an Electric Transmission Right-of-Way. *J.Arboric.* 23: 196-206 .

EcoReference No.: 96936

Chemical of Concern: GYP,TPRT,Arsenal; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE(TPRT,Arsenal),TARGET(GYP).

Braverman, M. P. (1995). Absorption, Translocation, and Metabolism of Triclopyr in Rice (*Oryza sativa*). *Weed Technol.* 9: 490-493.

EcoReference No.: 110812

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

Clay, D. V. (1987). Effects of Eight Herbicides on *Potentilla anserina* and *Rorippa sylvestris*. *Tests Agrochem.Cultiv.* 8: 118-119.

EcoReference No.: 75864

Chemical of Concern: MCPB,AMTL,CPR,FXP,TPR,GYP,PAQT; Habitat: T; Effect Codes: PHY,GRO; Rejection Code: NO ENDPOINT(ALL CHEMS).

Cluff, G. J., Roundy, B. A., Evans, R. A., and Young, J. A. (1983). Herbicidal Control of Greasewood and Salt Rabbitbrush (*Chrysothamnus nauseosus* ssp. *consimilis*). *Weed Sci.* 31: 275-279.

EcoReference No.: 41101

Chemical of Concern: TPR,PCL,24DXY,DMB; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: NO CONTROL(PCL,DMB),NO ENDPOINT,NO CONTROL(24DXY,TPR).

Cowgill, U. M., Milazzo, D. P., and Landenberger, B. D. (1989). Toxicity of Nine Benchmark Chemicals to *Skeletonema costatum*, a Marine Diatom. *Environ.Toxicol.Chem.* 8: 451-455.

EcoReference No.: 2233

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

Dampier, J. E. E., Luckai, N., Bell, F. W., and Towill, W. D. (2007). Do Tree-Level Monocultures Develop Following Canadian Boreal Silviculture? Tree-Level Diversity Tested Using a new Method. *Biodivers.Conserv.* 16: 2933-2948.

EcoReference No.: 111740

Chemical of Concern: HXZ,TPR,GYP; Habitat: T; Effect Codes: POP; Rejection Code: NO CONC(TPR),OK(HXZ,GYP).

Eckerlin, R. H., Ebel, J. G., Maylin, G. A., Muscato, T. V., Gutenmann, W. H., Bache, C. A., and Lisk, D. J. (1987). Excretion of Triclopyr Herbicide in the Bovine. *Bull.Environ.Contam.Toxicol.* 39: 443-447.

EcoReference No.: 111997

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

Feisthauer, N. C. (1999). Phytotoxicity, Absorption and Translocation of Triclopyr and Glyphosate, and Metabolism of Triclopyr in Purple Loosestrife (*Lythrum salicaria* L.) as Influenced by Flooding. *M.S.Thesis, Univ.of Guelph, Canada* 93 p.

EcoReference No.: 107984

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

Gardner, S. C. and Grue, C. E. (1996). Effects of Rodeo and Garlon 3A on Nontarget Wetland Species in Central Washington. *Environ.Toxicol.Chem.* 15: 441-451.

EcoReference No.: 16508

Chemical of Concern: GYP,TPRT; Habitat: A; Effect Codes: POP,MOR,GRO; Rejection Code: NO ENDPOINT,NO CONTROL(GYP,TPRT).

Getsinger, K. D., Petty, D. G., Madsen, J. D., Skogerboe, J. G., Houtman, B. A., Haller, W. T., and Fox, A. M. (2000). Aquatic Dissipation of the Herbicide Triclopyr in Lake Minnetonka, Minnesota. *Pest Manag.Sci.* 56: 388-400.

EcoReference No.: 110819

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

Getsinger, K. D., Turner, E. G., Madsen, J. D., and Netherland, M. D. (1997). Restoring Native Vegetation in a Eurasian Water Milfoil-Dominated Plant Community Using the Herbicide Triclopyr. *Regul.Rivers Res.& Manage.* 13: 357-375.

EcoReference No.: 18241

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

Getsinger, K. D. and Westerdahl, H. E. (1984). Field Evaluation of Garlon 3A (Triclopyr) and 14-ACE-B (2,4-D BEE) for the Control of Eurasian Watermilfoil. *Misc.Pap.A-84-5, Army Engineer Waterways Exp.Station, Vicksburg, MS* 25 p.

EcoReference No.: 15604

Chemical of Concern: 24DXYBEE,TPRT; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT,NO CONTROL(24DXYBEE,TPRT).

Geyer, W. A. (1979). Tree Control with Injection of Garlon and Tordon Brand Herbicides. *Down Earth* 35: 9-13.

EcoReference No.: 41788

Chemical of Concern: TPR; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT,NO

CONTROL(TPR).

Green, W. R., Westerdahl, H. E., Joyce, J. C., and Haller, W. T. (1989). Triclopyr (Garlon 3A) Dissipation in Lake Seminole, Georgia. *Misc.Pap.No.A-89-2, Aquatic Plant Control Program, U.S.Army Engineer Waterways Exp.Station, Vicksburg, MS* 37 p. (NTIS AD A208 582).

EcoReference No.: 16100

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

Guy, C. B., Smith, R. J. Jr., Helms, R. S., and Baltazar, A. M. (1992). Rice Cultivar Response to Rice Herbicides and Simulated Rice Herbicide Drift to Sensitive Crops. *Ark.Agric.Exp.Stn.Res.Ser.* 422: 69-72.

EcoReference No.: 74954

Chemical of Concern: MLT,FNP,TPR,BMN,BSF,QNC; Habitat: T; Effect Codes: PHY,GRO; Rejection Code: NO ENDPOINT (ALL CHEMS).

Hallbom, L. and Bergman, B. (1979). Influence of Certain Herbicides and a Forest Fertilizer on the Nitrogen Fixation by the Lichen *Peltigera praetextata*. *Oecologia (Berl.)* 40: 19-27.

EcoReference No.: 14810

Chemical of Concern: 24D,MCPA,TPR,NHN; Habitat: T; Effect Codes: POP,PHY,BCM; Rejection Code: NO ENDPOINT(24D,TPRNHN).

Harrington, T. B., Minogue, P. J., Lauer, D. K., and Ezell, A. W. (1998). Two-Year Development of Southern Pine Seedlings and Associated Vegetation Following Spray-and-Burn Site Preparation with Imazapyr Alone or in Mixture with Other Herbicides. *New For.* 15: 89-106.

EcoReference No.: 67263

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

Hofstra, D. E. and Clayton, J. S. (2001). Evaluation of Selected Herbicides for the Control of Exotic Submerged Weeds in New Zealand: I. The Use of Endothall, Triclopyr and Dichlobenil. *J.Aquat.Plant Manag.* 39: 20-24.

EcoReference No.: 67718

Chemical of Concern: EDT,TPR,DBN; Habitat: AT; Effect Codes: MOR; Rejection Code: NO ENDPOINT(ALL CHEMS).

Hogendoorn, E. A., DeGraaf, W. F., Tan, M., and Van Zoonen, P. (1993). The Residue Analysis of Chlorophenoxy Acids and Triclopyr in Cereal and Bean Sprouts Using Off-Line SPE and On-Line Column-Switching RPLC. *Meded.Fac.Landbouwkd.Toegep.Biol.Wet.Univ.Gent* 58: 165-172.

EcoReference No.: 111535

Chemical of Concern: 24D,MCPB,24DP,24DB,MCPA,MCP1,TPR; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT,NO CONTROL(TPR,24D,MCPB,24DP,MCP1).

Holt, J. S., Radosevich, S. R., and Graves, W. L. (1985). Long-Term Effects on Vegetation of Herbicide Treatments in Chaparral. *Weed Sci.* 33: 353-357.

EcoReference No.: 44103

Chemical of Concern: 24DXY,GYP,TPR; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT,NO CONTROL(GYP,24DXY,TPR).

Huffman, A. H. and Jacoby, P. W. Jr. (1984). Effects of Herbicides on Germination and Seedling Development of Three Native Grasses. *J.Range Manag.* 37: 40-43.

EcoReference No.: 44139

Chemical of Concern: TPR; Habitat: T; Effect Codes: REP,GRO; Rejection Code: NO ENDPOINT,NO CONTROL(TPR).

Jacoby, P. W. and Meadors, C. H. (1983). Triclopyr for Control of Honey Mesquite (*Prosopis juliflora* var. *glandulosa*). *Weed Sci.* 31: 681-685.

EcoReference No.: 41028

Chemical of Concern: PCL,TPR,TPRT,TPRB,DiCamba; Habitat: T; Effect Codes: MOR,PHY; Rejection Code: NO CONTROL(TPRT,TPRB).

Jacoby, P. W., Meadors, C. H., Foster, M. A., and Hartmann, F. S. (1982). Honey Mesquite (*Prosopis glandulosa* Var. *glandulosa*) Control and Forage Response in Crane County, Texas. *J.Range Manag.* 35: 424-426.

EcoReference No.: 41266

Chemical of Concern: TPR; Habitat: T; Effect Codes: POP,MOR; Rejection Code: NO ENDPOINT,NO CONTROL(TPR).

Jagschitz, J. A. (1980). Broadleaf Weed Control in Turfgrass with Herbicides. *Proc.Northeast.Weed Sci.Soc.* 34: 357-363.

EcoReference No.: 44037

Chemical of Concern: DPP1,24DXY,TPR,DMB,DKGNa,MCP1; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(DPP1,DMB,DKGNa,MCP1),NO ENDPOINT,NO CONTROL(24DXY,TPR).

Janz, D. M., Farrell, A. P., Morgan, J. D., and Vigers, G. A. (1991). Acute Physiological Stress Responses of Juvenile Coho Salmon (*Oncorhynchus kisutch*) to Sublethal Concentrations of Garlon 4, Garlon 3A, and Vision. *Environ.Toxicol.Chem.* 10: 81-90.

EcoReference No.: 3594

Chemical of Concern: GYP,TPRT,TPRB; Habitat: A; Effect Codes: PHY; Rejection Code: NO ENDPOINT(GYP,TPR).

Johnson, W. G., Lavy, T. L., Mattice, J. D., Skulman, B. W., Smith, R. J. Jr., and Talbert, R. E. (1992). Environmental Implications of Pesticides in Rice Production. *Ark.Agric.Exp.Stn.Res.Ser.* 422: 59-64.

EcoReference No.: 74959

Chemical of Concern: MLT,PPN,TBC,QNC,24DXY,TPR; Habitat: T; Effect Codes: GRO; Rejection Code: NO ENDPOINT (ALL CHEMS).

Jonsson, C. M., Maia, A. H. N., Ferreira, C. J. A., and Ribeiro, E. O. (1998). Risk Assessment of the Herbicide Clomazone to Aquatic Life. *Verh.Internat.Verein.Limnol.* 26: 1724-1726.

EcoReference No.: 99777

Chemical of Concern: TPR,MSMA,TFN,ACR,SZ,24D,GYP,CMZ; Habitat: A; Effect Codes: POP,MOR; Rejection Code: OK(CMZ),NO REVIEW(TPR,MSMA,TFN,ACR,SZ,24D,GYP).

Katovich, E. J. S., Becker, R. L., and Kinkaid, B. D. (1996). Influence of Nontarget Neighbors and Spray Volume on Retention and Efficacy of Triclopyr in Purple Loosestrife (*Lythrum salicaria*). *Weed Sci.* 44: 143-147.

EcoReference No.: 110880

Chemical of Concern: TPR; Habitat: T; Effect Codes: ACC,GRO; Rejection Code: NO ENDPOINT,NO CONTROL(TPR).

Kossuth, S. V., Young, J., and Voeller, H. (1978). Four Season Herbicide Injection of Hardwoods (to Thin Timber Stands). *Weed Res.* 18: 161-167.

EcoReference No.: 41771

Chemical of Concern: 24DXY,HXZ,TPR; Habitat: T; Effect Codes: POP,GRO,MOR,PHY; Rejection Code: NO ENDPOINT,NO CONTROL(HXZ,TPR).

Kreutzweiser, D. P. and Capell, S. S. (1992). A Simple Stream-Side Test System for Determining Acute Lethal and Behavioral Effects of Pesticides on Aquatic Insects. *Environ.Toxicol.Chem.* 11: 993-999.

EcoReference No.: 5919

Chemical of Concern: TPR,PMR; Habitat: A; Effect Codes: POP,MOR; Rejection Code: NO ENDPOINT(PMR,TPR).

Kreutzweiser, D. P., Thompson, D. G., Capell, S. S., Thomas, D. R., and Staznik, B. (1995). Field Evaluation of Triclopyr Ester Toxicity to Fish. *Arch.Environ.Contam.Toxicol.* 28: 18-26.

EcoReference No.: 14901

Chemical of Concern: TPRB; Habitat: A; Effect Codes: MOR,GRO,POP; Rejection Code: NO ENDPOINT(TPRB).

Langeland, K. A. (1986). Management Program for Alligatorweed in North Carolina. *Rep.No.224, Water Resour.Res.Inst.of the Univ.of N.Carolina* 36 p.

EcoReference No.: 90590

Chemical of Concern:

SZ,PCL,PAQT,MCPA,EDT,DBN,AMTR,MTPN,SMM,TPR,HXZ,BMC,AMTL,DU,IZP,DMB,FDE,GYP, 24D; Habitat: AT; Effect Codes: POP; Rejection Code: NO ENDPOINT,NO CONTROL(ALL CHEMS).

Lanini, W. T. and Radosevich, S. R. (1982). Herbicide Effectiveness in Response to Season of Application and Shrub Physiology. *Weed Sci.* 30: 467-475.

EcoReference No.: 41287

Chemical of Concern: 24DXY,GYP,TPR,DPP1; Habitat: T; Effect Codes: GRO,POP,MOR,PHY; Rejection Code: OK(24DXY),TARGET(DPP1),NO ENDPOINT,NO CONTROL(GYP,TPR).

Laroche, F. B. (1998). Managing Melaleuca (Melaleuca quinquenervia) in the Everglades. *Weed Technol.* 12: 726-732.

EcoReference No.: 93261

Chemical of Concern: GYP,HXZ,IZP,TET,TPR; Habitat: T; Effect Codes: POP,PHY; Rejection Code: NO ENDPOINT,NO CONTROL (ALL CHEMS).

Lickly, T. D. and Murphy, P. G. (1987). The Amount and Identity of [14C] Residues in Bluegills (Lepomis macrochirus) Exposed to [14C] Triclopyr. *Environ.Int.* 13: 213-218.

EcoReference No.: 12774

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

Maloney, R. F. (1995). Effect of the Herbicide Triclopyr on the Abundance and Species Composition of Benthic Aquatic Macroinvertebrates in the Ahuriri River, New Zealand. *N.Z.J.Mar.Freshwater Res.* 29: 505-515.

EcoReference No.: 18107

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

Marini, R. P., Byers, R. E., and Sowers, D. L. (1989). Growth Regulators and Herbicides for Delaying Apple Fruit Abscission. *Hortscience* 24: 957-959.

EcoReference No.: 76104

Chemical of Concern: BZO,TPR,DMB,PBZ,DMZ,FXP,PDM,MFD; Habitat: T; Effect Codes: GRO; Rejection Code: OK(FXP,DMZ),TARGET(DMB,PBZ,DMZ),NO ENDPOINT(MFD,PDM,BZO,TPR).

Mayes, M. A., Murphy, P. G., Hopkins, D. L., Gersich, F. M., and Blanchard, F. A. (1986). The Toxicity and Metabolism of Triclopyr Butoxethyl Ester: Coho Salmon. *Toxicologist* 6: 26 (ABS).

EcoReference No.: 9961

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

Mayeux, H. S. Jr. and Crane, R. A. (1985). Application of Herbicides on Rangelands with a Carpeted Roller: Evaluation of Four Herbicides for Control of Honey Mesquite. *J.Range Manag.* 38: 233-237.

EcoReference No.: 44096

Chemical of Concern: GYP,TPR; Habitat: T; Effect Codes: POP,MOR; Rejection Code: NO ENDPOINT,NO CONTROL(GYP,TPR).

McCarty, M. K. (1979). Yield and Quality of Two Cool-Season Grasses as Affected by Selected Herbicides. *Weed Sci.* 27: 415-421.

EcoReference No.: 41465

Chemical of Concern: 24DXY,DMB,PCL,ATZ,TPR; Habitat: T; Effect Codes: POP,BCM; Rejection Code: TARGET(DMB),OK(PCL),NO ENDPOINT,NO CONTROL(24DXY,ATZ,TPR).

Meyer, R. E. and Bovey, R. W. (1984). Response of Macartney Rose (*Rosa bracteata*) and Understory Vegetation to Herbicides. *Weed Sci.* 32: 63-67.

EcoReference No.: 44158

Chemical of Concern: 24DXY,GYP,HXZ,TPR,TET; Habitat: T; Effect Codes: MOR,POP; Rejection Code: NO ENDPOINT,NO CONTROL(GYP,24DXY,HXZ,TET,TPR).

Meyer, R. E. and Bovey, R. W. (1985). Response of Yaupon (*Ilex Vomitoria*) and Understory Vegetation to Herbicides. *Weed Sci.* 33: 415-419.

EcoReference No.: 44100

Chemical of Concern: TPR,TET; Habitat: T; Effect Codes: POP,MOR; Rejection Code: NO ENDPOINT,NO CONTROL(TET,TPR).

Meyer, R. E., Bovey, R. W., Bouse, L. G., and Carlton, J. B. (1983). Response of Live Oak and Understory Vegetation to Herbicides. *Weed Sci.* 31: 639-647.

EcoReference No.: 41042

Chemical of Concern: HXZ,TPR,TET; Habitat: T; Effect Codes: POP,MOR; Rejection Code: NO ENDPOINT,NO CONTROL(HXZ,TET,TPR).

Miller, K. V. and B.R.Chapman (1995). Responses of Vegetation, Birds, and Small Mammals to Chemical and Mechanical Site Preparation. In: R.E.Gaskin, A.Zabkiewicz, *FRI Bulletin No.192, Popular Summaries from 2nd Int.Conf.on Forest Vegetation Management, Mar.20-24, 1995, Rotorua, New Zealand* 146-148.

EcoReference No.: 93268

Chemical of Concern: HXZ,IZP,PCL,TPR,24DXY; Habitat: T; Effect Codes: POP; Rejection Code: NO CONTROL(ALL CHEMS).

Neary, D. G., Bush, P. B., McMahon, C. K., Cantrell, R. L., and Taylor, J. W. Jr. (1988). Persistence of Nine Forest Pesticides in the Surface Horizon of a Typic Quartzipsamment Soil of the Ocala National Forest. *Proc.Soil Crop Sci.Soc.Fla.* 47: 127-134.

EcoReference No.: 93486

Chemical of Concern: HCCH,FNT,CPY,24D,DMB,HXZ,PCL,TPR; Habitat: T; Effect Codes: ACC; Rejection Code: NO CONTROL,ENDPOINT(ALL CHEMS).

Netherland, M. D. and Getsinger, K. D. (1993). Control of Eurasian Watermilfoil Using Triclopyr. *Down Earth* 48: 1-5.

EcoReference No.: 16078

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

Nishiuchi, Y. (1989). Toxicity of Pesticides to Some Aquatic Animals. XI. Toxicity of Some Pesticides to Tadpoles. *C.A.Sel.-Environ.Pollut.*18:3-72754Y (1990) / *Aquat.Ecol.Chem.(Seitai Kagaku)* 9: 23-26 (JPN).

EcoReference No.: 8589

Chemical of Concern: ACP,DFZ,TPR,PYN,DPP1,MLH,DQTBr; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ACP,DFZ,TPR,PYN,DPP1,MLH,DQTBr).

Pantone, D. J. and Baker, J. B. (1992). Varietal Tolerance of Rice (*Oryza sativa*) to Bromoxynil and Triclopyr at Different Growth Stages. *Weed Technol.* 6: 968-974.

EcoReference No.: 110810

Chemical of Concern: BMN,TPR; Habitat: AT; Effect Codes: PHY,POP; Rejection Code: NO ENDPOINT(TPR).

Peterson, H. G., Boutin, C., Martin, P. A., Freemark, K. E., Ruecker, N. J., and Moody, M. J. (1994). Aquatic Phyto-Toxicity of 23 Pesticides Applied at Expected Environmental Concentrations. *Aquat.Toxicol.* 28: 275-292.

EcoReference No.: 13800

Chemical of Concern:

ACL,CBL,24DXY,SZ,CBF,ATZ,BMN,TPR,MBZ,GYP,TET,MTZ,IZT,DMM,PCL,CSF,HXZ,DQTBr; Habitat: A; Effect Codes: PHY,POP; Rejection Code: LITE EVAL CODED(CBL,ATZ,CBF,MTL,SZ,PCZ,ACL),NO ENDPOINT(GYP,24DXY,HXZ,TET,TPR,DQTBr).

Petty, D. G., Skogerboe, J. G., Getsinger, K. D., Foster, D. R., Houtman, B. A., Fairchild, J. F., and Anderson, L. W. (2001). The Aquatic Fate of Triclopyr in Whole-Pond Treatments. *Pest Manag.Sci.* 57: 764-775.

EcoReference No.: 110818

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

Pitt, D. G., Dumas, M. T., Wall, R. E., Thompson, D. G., Lanteigne, L., Hintz, W., Sampson, G., and Wagner, R. G. (1999). *Chondrostereum purpureum* as a Biological Control Agent in Forest Vegetation Management. I. Efficacy on Speckled Alder, Red Maple, and Aspen in Eastern Canada. *Can.J.For.Res.* 29: 841-851.

EcoReference No.: 110355

Chemical of Concern: TPR; Habitat: T; Effect Codes: GRO,MOR; Rejection Code: NO ENDPOINT(TPR).

Powers, R. F. and Ferrell, G. T. (1995). Plantation Development as Constrained by Moisture, Nutrition, and Insects: the "Garden of Eden" Study. In: R.E.Gaskin, A.Zabkiewicz, *FRI Bulletin No.192, Popular Summaries from 2nd Int.Conf.on Forest Vegetation Management, Mar.20-24, 1995, Rotorua, New Zealand* 92-94.

EcoReference No.: 93273

Chemical of Concern: GYP,HXZ,ACP,DMT,TPR; Habitat: T; Effect Codes: GRO,POP; Rejection Code: NO ENDPOINT(GYP,HXZ,ACP,DMT,TPR).

Radosevich, S. R., Graves, W. L., and Agamalian, H. A. (1977). Response of Two Adenostoma Species to Several Herbicides. *Weed Sci.* 25: 188-192.

EcoReference No.: 41472

Chemical of Concern: 24DXY,GYP,TPR; Habitat: T; Effect Codes: PHY; Rejection Code: NO ENDPOINT,NO CONTROL(GYP,24DXY,TPR).

Radosevich, S. R., Roncoroni, E. J., Conard, S. G., and McHenry, W. B. (1980). Seasonal Tolerance of Six Coniferous Species to Eight Foliage-Active Herbicides. *For.Sci.* 26: 3-9.

EcoReference No.: 43251

Chemical of Concern: 24DXY,GYP,TPR,DPP1,ASM; Habitat: T; Effect Codes: PHY,MOR,GRO; Rejection Code: OK(ASM),TARGET(DPP1),NO ENDPOINT,NO CONTROL(GYP,24DXY,TPR).

Robocker, W. C. (1977). Germination of Seeds of Common Yarrow (*Achillea Millefolium*) and Its Herbicidal Control. *Weed Sci.* 25: 456-459.

EcoReference No.: 41470

Chemical of Concern: TPR,DMB; Habitat: T; Effect Codes: POP,GRO; Rejection Code: TARGET(DMB),NO ENDPOINT,NO CONTROL(TPR).

Roshon, R. D., McCann, J. H., Thompson, D. G., and Stephenson, G. R. (1999). Effects of Seven Forestry Management Herbicides on *Myriophyllum sibiricum*, as Compared with Other Nontarget Aquatic Organisms. *Can.J.For.Res.* 29: 1158-1169.

EcoReference No.: 60978

Chemical of Concern: 24DXY,GYP,HXZ,IZP,MSFM,SMM,TPR; Habitat: A; Effect Codes: GRO,MOR; Rejection Code: NO CONTROL(ALL CHEMS).

Schooler, S., Cook, T., Bourne, A., Prichard, G., and Julien, M. (2008). Selective Herbicides Reduce Alligator Weed (*Alternanthera philoxeroides*) Biomass by Enhancing Competition. *Weed Sci.* 56: 259-264.

EcoReference No.: 109134

Chemical of Concern: MTSM,GYPI,TPRT; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(MTSM,TPRT),OK(GYPI),NO COC(MLH).

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EcoReference No.: 12591

Chemical of Concern: GYP,TPRB; Habitat: A; Effect Codes: MOR,PHY; Rejection Code: NO CONTROL(GYP,TPRB).

Smith, R. J. Jr. (1988). Weed Control in Water- and Dry-Seeded Rice, *Oryza sativa*. *Weed Technol.* 2: 242-250.

EcoReference No.: 74738

Chemical of Concern: ACF,BT,FNP,MLT,PDM,PPN,TBC,TPR; Habitat: AT; Effect Codes: POP,PHY,GRO; Rejection Code: LITE EVAL CODED(TBC),EFFICACY(FNP,MLT),NO MIXTURE(PDM,TPR).

Smith, R. J. Jr. and Khodayari, K. (1985). Herbicide Treatments for Control of Weeds in Dry-Seeded Rice (*Oryza sativa*). *Weed Sci.* 33: 686-692.

EcoReference No.: 74651

Chemical of Concern: ACF,BT,BTC,MLT,ODZ,PDM,PPN,TBC,TPR; Habitat: A; Effect Codes: POP,GRO,PHY; Rejection Code: NO MIXTURE(PDM,TBC,TPR).

Sprecher, S. L., Getsinger, K. D., and Stewart, A. B. (1998). Selective Effects of Aquatic Herbicides on Sago Pondweed. *J.Aquat.Plant Manag.* 36: 64-68.

EcoReference No.: 70453

Chemical of Concern: EDT,24DXY,TPR; Habitat: A; Effect Codes: POP,PHY; Rejection Code: OK(EDT),NO ENDPOINT(24DXY,TPR).

Sprecher, S. L. and Stewart, A. B. (1995). Triclopyr Effects on Peroxidase Activity in Target and Non-target Aquatic Plants. *J.Aquat.Plant Manage.* 33: 43-48.

EcoReference No.: 18834

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

Sterrett, J. P. (1982). Selective Control of Trees by Pressure Injection of Herbicides. *Hortscience* 17: 360-361.

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Chemical of Concern: TPR; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT,NO CONTROL(TPR).

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EcoReference No.: 15060

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

Timchalk, C., Dryzga, M. D., and Kastl, P. E. (1990). Pharmacokinetics and Metabolism of Triclopyr (3,5,6-Trichloro-2-Pyridinyloxyacetic Acid) in Fischer 344 Rats. *Toxicology* 62: 71, 87 (doi: 10.1016/0300-483X(90)90032-C).

EcoReference No.: 110883

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

Timchalk, C. and Nolan, R. J. (1997). Pharmacokinetics of Triclopyr (3,5,6-Trichloro-2-Pyridinyloxyacetic Acid) in the Beagle Dog and Rhesus Monkey: Perspective on the Reduced Capacity of Dogs to Excrete this Organic Acid Relative to the Rat, Monkey, and Human. *Toxicol.Appl.Pharmacol.* 144: 268-278.

EcoReference No.: 110817

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

Ueckert, D. N. and Whisenant, S. G. (1982). Individual Plant Treatments for Controlling Redberry Juniper Seedlings. *J.Range Manag.* 35: 419-423.

EcoReference No.: 41265

Chemical of Concern: BMC,GYP,HXZ,TPR,PCL,TET,DMB; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(DMB,TET),NO ENDPOINT,NO CONTROL(GYP,BMC,HXZ,TPR).

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EcoReference No.: 5132

Chemical of Concern: 24DXY,GYP,TPR,AQS; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).

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EcoReference No.: 86275

Chemical of Concern: GYPI,TPRB; Habitat: A; Effect Codes: POP,BCM,SYS; Rejection Code: LITE EVAL CODED(GYPI),PUBL AS(TPRB).

Zedaker, S. M., Bollig, J. J., Seiler, J. R., and Jackson, M. L. (1995). Adjuvants Alter Triclopyr Uptake in North American Tree Species. *FRI Bull.* 192: 198-200.

EcoReference No.: 87078

Chemical of Concern: TPR; Habitat: T; Effect Codes: ACC; Rejection Code: NO COC(PYPG),NO ENDPOINT(ALL CHEMS).

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EcoReference No.: 110550

Chemical of Concern: TPR; Habitat: AT; Effect Codes: GRO; Rejection Code: NO MIXTURE(TPR).