

## **APPENDIX F: BIBLIOGRAPHY OF EVALUATED ECOTOX OPEN LITERATURE DATA**

(List of citations for Paraquat Dichloride accepted by ECOTOX and OPP criteria, and those that were accepted by ECOTOX but rejected by OPP criteria)

### **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.

### **“Acceptable” for ECOTOX and OPP**

These studies were reviewed to determine if they could be used with the risk assessment, there were only 2 studies that were used within the assessment from ECOTOX, one because it was the actual submitted avian subacute dietary study, and the other because it provided some information for aquatic sublethal fish effects in the absence of chronic data. Also within this document are studies listed as “acceptable” for ECOTOX but not OPP, they were therefore excluded from the risk assessment, and have rejection codes to explain why they were excluded by OPP.

### **Reasons studies were used or not used within the risk assessment are provided below in [brackets]**

Abd-Alla, M. H., Omar, S. A., and Karanxha, S. (2000). The Impact of Pesticides on Arbuscular Mycorrhizal and Nitrogen-Fixing Symbioses in Legumes. *Appl. Soil Ecol.* 14: 191-200.

EcoReference No.: 63590

Chemical of Concern: PFF, BMN, PQT; Habitat: T; Effect Codes: GRO, POP; Rejection Code: LITE EVAL CODED(PFF, PQT). [Endpoints, exposure via watering, and in general study is not applicable to be used in the assessment]

Abdel-Kader, M. I. A. and Abdel-Mallek, A. Y. (1986). Selective Effect of the Systemic Herbicide Paraquat on Soil, Root and Leaf-Surface Fungi. *Egypt. J. Bot.* 29/30: 97-106.

EcoReference No.: 104612

Chemical of Concern: PAQT; Habitat: T; Effect Codes: GRO, POP; Rejection Code: LITE EVAL CODED(PAQT). [Endpoints not applicable for assessment]

Abdel-Sater, M. A., Khallil, A. M., Ismail, M. A., and Ahmed, S. A. (1993). Effect of Paraquat and Ametryne on Soil, Root and Leaf-Surfaces Fungi of Solanum tuberosum L. *Zentbl. Mikrobiol.* 148: 558-569.

EcoReference No.: 104653

Chemical of Concern: PQT; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PQT). [Endpoints not applicable for assessment]

Adachi, J., Ishii, K., Tomita, M., Fujita, T., Nurhantari, Y., Nagasaki, Y., and Ueno, Y. (2003). Consecutive Administration of Paraquat to Rats Induces Enhanced Cholesterol Peroxidation and Lung Injury. *Arch. Toxicol.* 77: 353-357.

EcoReference No.: 104370

Chemical of Concern: PQT; Habitat: T; Effect Codes: PHY, BCM, GRO; Rejection Code: LITE EVAL CODED(PQT). [Exposure is via injection, not applicable]

Addison, P. J. and Barker, G. M. (2006). Effect of Various Pesticides on the Non-Target Species *Microctonus hyperodae*, a Biological Control Agent of *Listronotus bonariensis*. *Entomol. Exp. Appl.* 119: 71-79.

EcoReference No.: 86585

Chemical of Concern: 24DB, CPY, DFZ, GYPI, PQT, ASM; Habitat: T; Effect Codes: MOR, GRO, REP; Rejection Code: LITE EVAL CODED(GYPI, CPY, PQT, DFZ). [Exposure via soaking or dipping, not applicable]

Afzal, M., Ali, A., Mohammed, N., Al-Sweedan, N., Fareed, A., Menon, M., and Dhami, M. S. I. (1994). Modulation of Bile Acids Induced by Paraquat in Rabbits. *Drug Metab. Drug Interact.* 11: 301-315.

EcoReference No.: 105174

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL

CODED(PQT). [Exposure via injection, not applicable]

Agarwal, A. K. and Coleman, J. W. (1988). Effect of Paraquat on Lung Calcium Transport. *Toxicol.Lett.* 42: 317-323.

EcoReference No.: 104369

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR,BCM,CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Ahmed, A. A., Soliman, M. M., Khalifa, B. A. A., El Sadek, S. E., and Nounou, A. H. (1988). Embryocidal and Teratogenic Effects of Paraquat on Chick Embryos and White Rats. *Arch.Exp.Veterinarmed.* 42: 848-853.

EcoReference No.: 104613

Chemical of Concern: PQT; Habitat: T; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies reviewed by HED]

Ahn, Y. J., Cho, J. R., Kim, Y. J., Yoo, J. K., and Lee, J. O. (1997). Toxicity of the Herbicide Glufosinate-Ammonium to *Tetranychus urticae* (Acari: Tetranychidae) Under Laboratory and Field Conditions. *Pestic.Sci.* 51: 455-461.

EcoReference No.: 63571

Chemical of Concern: PAQT,TFY,FPY,GYPI,GFSNH; Habitat: T; Effect Codes: MOR,POP; Rejection Code: LITE EVAL CODED(GYPI,GFSNH,PAQT). [Exposure via foliar spray, not usable in assessment]

Akahori, F., Masaoka, T., Matsushiro, S., Arishima, K., Arai, S., Yamamoto, M., and Eguchi, Y. (1987). Quantifiable Morphologic Evaluation of Paraquat Pulmonary Toxicity in Rats. *Vet.Hum.Toxicol.* 29: 1-7.

EcoReference No.: 104655

Chemical of Concern: PQT; Habitat: T; Effect Codes: PHY,CEL,MOR; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, subcutaneous, not applicable]

Akerman, G., Amcoff, P., Tjarnlund, U., Fogelberg, K., Torrissen, O., and Balk, L. (2003). Paraquat and Menadione Exposure of Rainbow Trout (*Oncorhynchus mykiss*) - Studies of Effects on the Pentose-Phosphate Shunt and Thiamine Levels in Liver and Kidney. *Chem.-Biol.Interact.* 142: 269-283.

EcoReference No.: 104368

Chemical of Concern: PQT; Habitat: A; Effect Codes: GRO,BCM,PHY; Rejection Code: LITE EVAL CODED(PQT). [Exposure method not appropriate, cannot be used]

Alberdi, J. L., Saenz, M. E., Di Marzio, W. D., and Tortorelli, M. C. (1996). Comparative Acute Toxicity of Two Herbicides, Paraquat and Glyphosate, to *Daphnia magna* and *D. spinulata*. *Bull.EnvIRON.Contam.Toxicol.* 57: 229-235.

EcoReference No.: 17455

Chemical of Concern: GYP,PQT; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(GYP,PQT). [Not more sensitive than submitted studies]

Ali, M., Afzal, M., and Al-Sweedan, N. (1990). Involvement of Prostaglandins in Paraquat Intoxication. *Prostaglandins Leukot.Essent.Fatty Acids* 39: 213-215.

EcoReference No.: 104614

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Ali, S., Diwakar, G., and Pawa, S. (2000). Paraquat Induces Different Pulmonary Biochemical Responses in Wistar Rats and Swiss Mice. *Chem.-Biol.Interact.* 125: 79-91.

EcoReference No.: 104371

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,MOR; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Alias, Z. and Clark, A. G. (2007). Studies on the Glutathione S-Transferase Proteome of Adult *Drosophila melanogaster*: Responsiveness to Chemical Challenge. *Proteomics* 7: 3618-3628.

EcoReference No.: 104372

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Not enough information provided]

Allen, R. G., Farmer, K. J., Newton, R. K., and Sohal, R. S. (1984). Effects of Paraquat Administration on Longevity, Oxygen Consumption, Lipid Peroxidation, Superoxide Dismutase, Catalase, Glutathione Reductase, Inorganic Peroxides and Glutathione in the Adult Housefly. *Comp.Biochem.Physiol.C* 78: 283-288.

EcoReference No.: 104373

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,MOR,PHY; Rejection Code: LITE EVAL CODED(PQT). [Exposure via drinking water, not applicable]

Angelova, M. B., Pashova, S. B., Spasova, B. K., Vassilev, S. V., and Slokoska, L. S. (2005). Oxidative Stress Response of Filamentous Fungi Induced by Hydrogen Peroxide and Paraquat. *Mycol.Res.* 109: 150-158.

EcoReference No.: 104742

Chemical of Concern: PAQT,HOX; Habitat: T; Effect Codes: BCM,GRO,POP; Rejection Code: LITE EVAL CODED(PAQT),OK(HOX). [Endpoints not applicable for assessment]

Arias, G. S., Martinez-Tabche, L., and Galar, I. (1991). Effects of Paraquat and Lead on Fish *Oreochromis hornorum*. *Bull.EnvIRON.Contam.Toxicol.* 46: 237-241.

EcoReference No.: 94

Chemical of Concern: PQT,Pb; Habitat: A; Effect Codes: MOR,BCM; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Ashida, H., Kanazawa, K., and Danno, G. (1994). Hepatic Phosphoglucosyltransferase Activity as a Marker of Oxidative Stress Induced by Pro-Oxidative Drugs. *Biosci.Biotechnol.Biochem.* 58: 55-59.

EcoReference No.: 95525

Chemical of Concern: BNZ,PCB,BAP,CTC,ETHN,PAH,PAQT; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: LITE EVAL CODED(PAQT),NO COC(ANT,PYR). [Exposure via injection, not applicable]

Atzori, L., Cannas, B., Dettori, T., Dore, M., Montaldo, C., Ugazio, G., and Congiu, L. (1998). Involvement of Capsaicin-Sensitive Nerves in Paraquat-Induced Mortality. *Chem.-Biol.Interact.* 116: 93-103.

EcoReference No.: 104374

Chemical of Concern: PAQT,CPS; Habitat: T; Effect Codes: MOR,BCM,CEL; Rejection Code: LITE EVAL CODED(PAQT,CPS). [Exposure via injection, not applicable]

Babatunde, M. M., Oladimeji, A. A., and Balogun, J. K. (2001). Acute Toxicity of Gramoxone to *Oreochromis niloticus* (Trewavas) in Nigeria. *Water Air Soil Pollut.* 131: 1-10.

EcoReference No.: 62062

Chemical of Concern: PQT; Habitat: A; Effect Codes: MOR,PHY,BCM,CEL; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Bagchi, D., Bagchi, M., Hassoun, E., Moser, J., and Stohs, S. J. (1993). Effects of Carbon Tetrachloride, Menadione, and Paraquat on the Urinary Excretion of Malondialdehyde, Formaldehyde, Acetaldehyde, and Acetone in Rats. *J.Biochem.Toxicol.* 8: 101-106.

EcoReference No.: 104408

Chemical of Concern: CTC,PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Bainova, A., Zaprianov, Z., and Kaloyanova-Simeonova, F. (1980). Effect of Pesticides on the Activity of Monoamine Oxidase (MAO) in Rats. *Proc.Int.Congr.Occup.Health, 19th* 1: 531-535.

EcoReference No.: 94003

Chemical of Concern:

DQTBBr,PAQT,BFL,PCH,Zineb,DCF,HCCH,ATZ,TDF,Naled,PFF,DDVP,PIRM,DM; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL

CODED(PFF,Naled,ATZ,BMY,PAQT,DCF,PPX,DM,DQTBBr),OK(Zineb,TDF,PIRM,DDVP). [Not applicable endpoint]

Bando, N., Wakamatsu, S., and Terao, J. (2007). Effect of an Excessive Intake of Quercetin on the Vitamin E Level and Antioxidative Enzyme Activities of Mouse Liver Under Paraquat-Induced Oxidative Stress. *Biosci.Biotechnol.Biochem.* 71: 2569-2572.

EcoReference No.: 104659

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,GRO; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies reviewed by HED]

Barabas, K., Szabo, L., and Matkovics, B. (1985). Effects of Gramoxone and Cooling on the Antioxidant Enzymes of Frog (*Rana esculenta*). *Acta Biol.Hung.* 36: 295-300 .

EcoReference No.: 104502

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Barabas, K., Varga, S. I., and Matkovics, B. (1981). Serum Protein and Glycoprotein Changes in Chronic Paraquat Intoxication. *Gen.Pharmacol.* 12: 229-231.

EcoReference No.: 107546

Chemical of Concern: PAQT; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Barata, C., Varo, I., Navarro, J. C., Arun, S., and Porte, C. (2005). Antioxidant Enzyme Activities and Lipid Peroxidation in the Freshwater Cladoceran *Daphnia magna* Exposed to Redox Cycling Compounds. *Comp.Biochem.Physiol.C* 140: 175-186.

EcoReference No.: 80944

Chemical of Concern: CdSO<sub>4</sub>,CuS,PAQT,ES,PQT; Habitat: A; Effect Codes: MOR,BCM; Rejection Code: LITE EVAL CODED(ES,PQT). [Not more sensitive than submitted studies]

Barbeau, A., Dallaire, L., Buu, N. T., Poirier, J., and Rucinska, E. (1985). Comparative Behavioral, Biochemical and Pigmentary Effects of MPTP, MPP<sup>+</sup> and Paraquat in *Rana pipiens*. *Life Sci.* 37: 1529-1538.

EcoReference No.: 104530

Chemical of Concern: PQT; Habitat: AT; Effect Codes: BCM,BEH; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Barlow, B. K., Richfield, E. K., Cory-Slechta, D. A., and Thiruchelvam, M. (2004). A Fetal Risk Factor for

Parkinson's Disease. *Dev.Neurosci.* 26: 11-23.

EcoReference No.: 92041

Chemical of Concern: PQT,Maneb; Habitat: T; Effect Codes: BEH,BCM,CEL; Rejection Code: LITE EVAL CODED(PQT),OK(Maneb). [Exposure via injection, subcutaneous, not applicable]

Bartlett, L., Rabe, F. W., and Funk, W. H. (1974). Effects of Copper, Zinc and Cadmium on *Selanastrum capricornutum*. *Water Res.* 8: 179-185.

EcoReference No.: 2254

Chemical of Concern: PQT,Cd,Zn,CuCl<sub>2</sub>,ZnCl<sub>2</sub>; Habitat: A; Effect Codes: BCM,POP; Rejection Code: LITE EVAL CODED(OW-TRV-Cu,ZnCl<sub>2</sub>,PQT),NO ENDPOINT(Cd,Zn). [Not more sensitive than submitted studies]

Bauder, M. B., Palace, V. P., and Hodson, P. V. (2005). Is Oxidative Stress the Mechanism of Blue Sac Disease in Retene-Exposed Trout Larvae? *Environ.Toxicol.Chem.* 24: 694-702.

EcoReference No.: 87505

Chemical of Concern: PAQT,CTC,PAH; Habitat: A; Effect Codes: PHY,BCM,MOR; Rejection Code: LITE EVAL CODED(PAQT). [Not an applicable endpoint]

Bauer, C. A. (1985). Effects of Paraquat on Reproduction and Growth in Northern Bobwhite. *J.Wildl.Manag.* 49: 1066-1073.

EcoReference No.: 40015

Chemical of Concern: PAQT; Habitat: T; Effect Codes: GRO,MOR,REP; Rejection Code: LITE EVAL CODED(PAQT). [Not more sensitive than submitted studies]

Bauman, J. W., Liu, J., Liu, Y. P., and Klaassen, C. D. (1991). Increase in Metallothionein Produced by Chemicals that Induce Oxidative Stress. *Toxicol.Appl.Pharmacol.* 110: 347-354.

EcoReference No.: 104407

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Bauman, J. W., Madhu, C., McKim, J. M. Jr., Liu, Y., and Klaassen, C. D. (1992). Induction of Hepatic Metallothionein by Paraquat. *Toxicol.Appl.Pharmacol.* 117: 233-241.

EcoReference No.: 104406

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, subcutaneous, not applicable]

Bielefeld, E. C., Hu, B. H., Harris, K. C., and Henderson, D. (2005). Damage and Threshold Shift Resulting from Cochlear Exposure to Paraquat-Generated Superoxide. *Hear.Res.* 207: 35-42.

EcoReference No.: 104405

Chemical of Concern: PQT; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Black, B. D., Russin, J. S., Griffin, J. L., and Snow, J. P. (1996). Herbicide Effects on *Rhizoctonia solani* In Vitro and *Rhizoctonia Foliar Blight* of Soybean (*Glycine max*). *Weed Sci.* 44: 711-716.

EcoReference No.: 97548

Chemical of Concern: PDM,ACF,ACR,GFS,GYP,PAQT; Habitat: T; Effect Codes: GRO,POP; Rejection Code: LITE EVAL CODED(GYP,GFS,PDM,ACR,PAQT). [Not applicable endpoint]

Block, E. R. (1979). Potentiation of Acute Paraquat Toxicity by Vitamin E Deficiency. *Lung* 156: 195-203.

EcoReference No.: 105173

Chemical of Concern: PQT; Habitat: T; Effect Codes: PHY,MOR,CEL; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Bonilla, S., Conde, D., and Blanck, H. (1998). The Photosynthetic Responses of Marine Phytoplankton, Periphyton and Epipsammon to the Herbicides Paraquat and Simazine. *Ecotoxicology* 7: 99-105.

EcoReference No.: 62031

Chemical of Concern: SZ,PAQT,PQT; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(SZ,PQT). [Not more sensitive than submitted studies]

Boudreau, J. and Nadeau, D. (1987). Lung Hydrolases in Paraquat Poisoning: Early Response of Alkaline Phosphatase. *J.Toxicol.Environ.Health* 22: 329-340.

EcoReference No.: 104529

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: LITE EVAL CODED(PQT). [Exposure is via injection, not applicable]

Bozeman, J., Koopman, B., and Bitton, G. (1989). Toxicity Testing Using Immobilized Algae. *Aquat.Toxicol.* 14: 345-352.

EcoReference No.: 3405

Chemical of Concern: EDT,GYP,CuS,PCP,Cd,PQT; Habitat: A; Effect Codes: BCM,PHY; Rejection Code: LITE EVAL CODED(GYP,CuS,PCP,PQT). [Not more sensitive than submitted studies]

Brack, W. and Frank, H. (1998). Chlorophyll a Fluorescence: A Tool for the Investigation of Toxic Effects in the Photosynthetic Apparatus. *Ecotoxicol.Environ.Saf.* 40: 34-41.

EcoReference No.: 19272

Chemical of Concern: SZ,PAQT,FML,3CE,PCP,ETHB,TOL,4CE,NYP,AMSV,PQT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(SZ,AMSV,ETHB,PQT),NO ENDPOINT(PCP),OK(FML,3CE,TOL,4CE,NYP). [Not more sensitive than submitted studies]

Bretaud, S., Lee, S., and Guo, S. (2004). Sensitivity of Zebrafish to Environmental Toxins Implicated in Parkinson's Disease. *Neurotoxicol.Teratol.* 26: 857-864.

EcoReference No.: 76023

Chemical of Concern: RTN,PAQT; Habitat: A; Effect Codes: PHY,CEL,BEH; Rejection Code: LITE EVAL CODED(RTN,PAQT). [Estuarine/marine species, not examined in RLF]

Brooker, M. P. and Edwards, R. W. (1973). Effects of the Herbicide Paraquat on the Ecology of a Reservoir. I. Botanical and Chemical Aspects. *Freshw.Biol.* 3: 157-175.

EcoReference No.: 14717

Chemical of Concern: PAQT; Habitat: AT; Effect Codes: POP,PHY,ACC; Rejection Code: LITE EVAL CODED(PAQT). [Not more sensitive than submitted studies]

Brooker, M. P. and Edwards, R. W. (1974). Effects of the Herbicide Paraquat on the Ecology of a Reservoir, III. Fauna and General Discussion. *Freshw.Biol.* 4: 311-335.

EcoReference No.: 14806

Chemical of Concern: PAQT; Habitat: A; Effect Codes: POP,SYS,MOR; Rejection Code: LITE EVAL CODED(PAQT). [Endpoint listed not applicable]

Brown, O. R., Heitkamp, M., and Song, C. S. (1981). Niacin Reduces Paraquat Toxicity in Rats. *Science* 212: 1510-1512.

EcoReference No.: 104623

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR,BCM,GRO; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

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: GYP,PAQT,SZ,ATZ; Habitat: T; Effect Codes: BEH,MOR; Rejection Code: LITE EVAL CODED(ATZ,SZ,GYP,PAQT). [Not relevant endpoint, exposure is via multiple routes, including diet and inhalation]

Bunn, K. E., Thompson, H. M., and Tarrant, K. A. (1996). Effects of Agrochemicals on the Immune Systems of Earthworms. *Bull.Environ.Contam.Toxicol.* 57: 632-639.

EcoReference No.: 40369

Chemical of Concern: PCZ,Captan,PIM,DS,PIRM,PAQT,CPP,PRO,PCB,DMT; Habitat: T; Effect Codes: IMM; Rejection Code: LITE EVAL CODED(DS,Captan,PAQT),NO ENDPOINT(PIRM). [Not enough information]

Buntin, G. D., Hargrove, W. L., and McCracken, D. V. (1995). Populations of Foliage-Inhabiting Arthropods on Soybean with Reduced Tillage and Herbicide Use. *Agron.J.* 87: 789-794.

EcoReference No.: 147983

Chem Codes: Chemical of Concern: SXD,CRM,ACR,MBZ,PQT Rejection Code: MIXTURE. [Examined for risk assessment]

Bus, J. S., Aust, S. D., and Gibson, J. E. (1976). Paraquat Toxicity: Proposed Mechanism of Action Involving Lipid Peroxidation . *Environ.Health Perspect.* 16: 139-146 .

EcoReference No.: 104382

Chemical of Concern: PQT; Habitat: T; Effect Codes: MOR,BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via drinking water and/or injection, not applicable]

Bus, J. S., Cagen, S. Z., Olgaard, M., and Gibson, J. E. (1976). A Mechanism of Paraquat Toxicity in Mice and Rats. *Toxicol.Appl.Pharmacol.* 35: 501-513.

EcoReference No.: 35071

Chemical of Concern: PQT; Habitat: T; Rejection Code: LITE EVAL CODED(PQT). [Exposure via capsule, not applicable]

Bus, J. S. and Gibson, J. E. (1975). Postnatal Toxicity of Chronically Administered Paraquat in Mice and Interactions with Oxygen and Bromobenzene. *Toxicol.Appl.Pharmacol.* 33: 461-470.

EcoReference No.: 36027

Chemical of Concern: PAQT; Habitat: T; Effect Codes: GRO,REP,MOR,CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via drinking water, not applicable]

Bus, J. S., Preache, M. M., Cagen, S. Z., Posner, H. S., Eliason, B. C., Sharp, C. W., and Gibson, J. E. ( 1975). Fetal Toxicity and Distribution of Paraquat and Diquat in Mice and Rats. *Toxicol.Appl.Pharmacol.* 33: 450-460.

EcoReference No.: 36028

Chemical of Concern: PAQT; Habitat: T; Effect Codes: ACC,REP,GRO,MOR; Rejection Code: LITE



EVAL CODED(PAQT). [Exposure via injection, not applicable]

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,24DXYBEE, 24D,DMDP,DQTBr; Habitat: A; Effect Codes: MOR,GRO,POP; Rejection Code: LITE EVAL CODED(DCPA,EPTC,24DXYBEE,PRO,ATZ,MLT,ACL,TBF,DU,PAQT,DQTBr),NO ENDPOINT(24D,DMDP),OK(AMTR,PMT,NTP,VNT,PCL,PEB,DDT). [Not enough information provided, Estuarin/marine species are not examined for CRLF]

Cabral, S. M. J. C. S. and Cabral, J. P. S. (2000). The Primary Mode-of-Action of Vinclozolin: Are Oxygen Free Radicals Directly Involved? *Pestic.Biochem.Physiol.* 66: 145-152.

EcoReference No.: 104383

Chemical of Concern: PAQT,VCZ; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT),TARGET(VCZ). [Not applicable endpoint]

Cagen, S. Z. and Gibson, J. E. (1977). Liver Damage Following Paraquat in Selenium-Deficient and Diethyl Maleate-Pretreated Mice. *Toxicol.Appl.Pharmacol.* 40: 193-200 .

EcoReference No.: 86832

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BEH,PHY,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Cai, G. B., Bae, Y. A., Kim, S. H., Sohn, W. M., Lee, Y. S., Jiang, M. S., Kim, T. S., and Kong, Y. (2008). Vitellocyte-Specific Expression of Phospholipid Hydroperoxide Glutathione Peroxidases in Clonorchis sinensis. *Int.J.Parasitol.* 38: 1613-1623.

EcoReference No.: 107054

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via culture medium, not enough information provided]

Cain, J. R. and Cain, R. K. (1983). The Effects of Selected Herbicides on Zygospore 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,PQT; Habitat: A; Effect Codes: POP,REP; Rejection Code: LITE EVAL CODED(LNR,PRO,ATZ,DU,PPN,PQT),OK(EDT,PCL,DMB,AMTR,BMN,AMTL),NO ENDPOINT(24DXY,ACR). [Endpoints not applicable to be used in assessment]

Cambar, P. J. and Aviado, D. M. (1970). Bronchopulmonary Effects of Paraquat and Expectorants. *Arch.Environ.Health* 20: 488-494.

EcoReference No.: 104384

Chemical of Concern: PQT; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Campbell, P. I. (1988). Serum Glucose and Tissue Glycogen Dynamics in Paraquat Intoxication. *Med.Sci.Res.* 16: 393-394.

EcoReference No.: 104654

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,MOR,PHY; Rejection Code: LITE EVAL

CODED(PQT). [Exposure via injection, not applicable]

Cantonwine, E. G., Culbreath, A. K., and Stevenson, K. L. (2007). Effects of Cover Crop Residue and Preplant Herbicide on Early Leaf Spot of Peanut. *Plant Dis.* 91: 822-827 .

EcoReference No.: 96944

Chemical of Concern: PAQT,GYPI; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(GYPI,PAQT). [Endpoints not applicable for assessment]

Caseley, J. C. and Eno, C. F. (1966). Survival and Reproduction of Two Species of Earthworm and a Rotifer Following Herbicide Treatments. *Soil Sci.Soc.Proc.* 30: 346-350.

EcoReference No.: 48065

Chemical of Concern: PAQT,EDT,DU,BMC,AMTL,ATZ; Habitat: T; Effect Codes: MOR,POP; Rejection Code: LITE EVAL CODED(ATZ,DU,PAQT). [No mortality recorded for chemical, not enough specific chemical information, exposure via culture media and direct application]

Caviglia, A. M. and Modenesi, P. (1999). Oxidative Stress and Ascorbic Acid Contents in Parmotrema reticulatum and Parmelia sulcata Thalli. *Lichenologist* 31: 105-110 .

EcoReference No.: 104620

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Endpoints not applicable for assessment]

Cerkauskas, R. F. (1988). Latent Colonization by Colletotrichum spp.: Epidemiological Considerations and Implications for Mycoherbicides. *Can.J.Plant Pathol.* 10: 297-310.

EcoReference No.: 104622

Chemical of Concern: PAQT; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via soaking or dipping, not applicable]

Chan, B. S. H., Seale, J. P., and Duggin, G. G. (1997). The Mechanism of Excretion of Paraquat in Rats. *Toxicol.Lett.* 90: 1-9.

EcoReference No.: 104402

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Chandler, D. B. and Giri, S. N. (1981). Effects of Acute Paraquat Toxicity on Circulating Levels of Arachidonic Acid, PGF2 alpha and PGE2 in the Beagle. *Prostaglandins Med.* 7: 571-579.

EcoReference No.: 105172

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY,BCM,CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Chanyachukul, T., Yoovathaworn, K., Thongsaard, W., Chongthammakun, S., Navasumrit, P., and Satayavivad, J. (2004). Attenuation of Paraquat-Induced Motor Behavior and Neurochemical Disturbances by L-Valine In Vivo. *Toxicol.Lett.* 150: 259-269.

EcoReference No.: 104386

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BEH,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, subcutaneous, not applicable]

Chaudhuri, A., Bowling, K., Funderburk, C., Lawal, H., Inamdar, A., Wang, Z., and O'Donnell, J. M. (2007). Interaction of Genetic and Environmental Factors in a Drosophila Parkinsonism Model. *J.Neurosci.* 27: 2457-2467.

EcoReference No.: 104592

Chemical of Concern: HOX,PAQT; Habitat: T; Effect Codes: BEH,MOR,CEL; Rejection Code: LITE EVAL CODED(PAQT),NO ENDPOINT(HOX). [Not enough information provided]

Chen, C. M., Chou, H. C., Hsu, H. H., and Wang, L. F. (2005). Transforming Growth Factor-beta1 Upregulation is Independent of Angiotensin in Paraquat-Induced Lung Fibrosis. *Toxicology* 216: 181-187.

EcoReference No.: 94035

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,MOR,CEL; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Chen, C. M. and Lua, A. C. (2000). Lung Toxicity of Paraquat in the Rat. *J.Toxicol.Environ.Health Part A* 59: 477-487.

EcoReference No.: 104387

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY,CEL,GRO,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Chen, L., Rio, D. C., Haddad, G. G., and Ma, E. (2004). Regulatory Role of dADAR in ROS Metabolism in Drosophila CNS. *Mol.Brain Res.* 131: 93-100.

EcoReference No.: 104388

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

Cheng, W. H., Fu, Y. X., Porres, J. M., Ross, D. A., and Lei, X. G. (1999). Selenium-Dependent Cellular Glutathione Peroxidase Protects Mice Against a Pro-Oxidant-Induced Oxidation of NADPH, NADH, Lipids, and Protein. *Faseb J.* 13: 1467-1475.

EcoReference No.: 86309

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Cheng, W. H., Ho, Y. S., Valentine, B. A., Ross, D. A., Combs, G. F. Jr., and Lei, X. G. (1998). Cellular Glutathione Peroxidase is the Mediator of Body Selenium to Protect Against Paraquat Lethality in Transgenic Mice. *J.Nutr.* 128: 1070-1076.

EcoReference No.: 85520

Chemical of Concern: PAQT; Habitat: T; Effect Codes: GRO,PHY,CEL,MOR; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Choi, W. I., Neher, D. A., and Ryoo, M. I. (2008). Life-History Trade-Offs of Paronychiurus kimi (Lee) (Collembola: Onychiuridae) Populations Exposed to Paraquat. *Ecotoxicol.Environ.Saf.* 69: 227-232.

EcoReference No.: 104199

Chemical of Concern: PAQT; Habitat: T; Effect Codes: REP,MOR; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via hand spray, not usable in assesment]

Christian, F. A., Tesfamichael, T., and Tate, T. (1985). Long-Term Effects of Dinoseb and Paraquat, Both Individually and Combined, on Embryonic Development and Hatching Success of Fasciola hepatica Miracidia. *Arch.Environ.Contam.Toxicol.* 14: 149-152.

EcoReference No.: 104389

Chemical of Concern: PAQT; Habitat: A; Effect Codes: GRO,MOR; Rejection Code: LITE EVAL CODED(PAQT). [Endpoint listed not applicable]

Chrysai-Tokousbalides, M., Machera, K., Kyriakopoulou, K., Aliferis, K. A., Schrader, K. K., Tsoutsanis, I., and Anastasiadou, P. (2007). Comparative Toxicity of the Phytotoxins (8R,16R)-(-)-Pyrenophorin and (5S,8R,13S,16R)-(-)-Pyrenophorol on Aquatic Organisms. *Bull.Environ.Contam.Toxicol.* 79: 499-503.

EcoReference No.: 101730

Chemical of Concern: STRP,DU,NFZ,PAQT,GYPI; Habitat: A; Effect Codes: POP,PHY,BCM; Rejection Code: LITE EVAL CODED(STRP,PAQT),NO SPECIES(NFZ,DU,GYPI). [Not more sensitive than submitted studies]

Cicchetti, F., Lapointe, N., Roberge-Tremblay, A., Saint-Pierre, M., Jimenez, L., Ficke, B. W., and Gross, R. E. (2005). Systemic Exposure to Paraquat and Maneb Models Early Parkinson's Disease in Young Adult Rats. *Neurobiol.Dis.* 20: 360-371 .

EcoReference No.: 90134

Chemical of Concern: Maneb,PAQT; Habitat: T; Effect Codes: BEH,PHY; Rejection Code: LITE EVAL CODED(PAQT),NO MIXTURE(Maneb). [Exposure via injection, not applicable]

Clark, D. G., McElligott, T. F., and Hurst, E. W. (1966). The Toxicity of Paraquat. *Br.J.Ind.Med.* 23: 126-132.

EcoReference No.: 107547

Chemical of Concern: PDMS,PQT; Habitat: T; Effect Codes: MOR,PHY,BEH; Rejection Code: LITE EVAL CODED(PQT,PDMS). [Exposure via injection, not applicable]

Clark, M. W., Gildersleeve, R. P., Thaxton, J. P., Parkhurst, C. R., and McRee, D. I. (1988). Hematological Effects of Ethyl Methanesulfonate, Paraquat and Phenylhydrazine in Japanese Quail. *Comp.Biochem.Physiol.C* 89: 15-30.

EcoReference No.: 104390

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY,CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Clason, T. R. (1987). The Influence of Benomyl on Blue Stain Infestation, Oleoresin Synthesis, and Growth in Paraquat-Treated Loblolly Pine. *For.Sci.* 33: 552-557.

EcoReference No.: 104621

Chemical of Concern: CBDH,PAQT; Habitat: T; Effect Codes: GRO,PHY,POP; Rejection Code: LITE EVAL CODED(PAQT),OK(CBDH). [Not enough information provided, endpoints not applicable for assessment]

Cochon, A. C., Della Penna, A. B., Kristoff, G., Piol, M. N., San Martin de Viale, L. C., and Verrengia Guerrero, N. R. (2007). Differential Effects of Paraquat on Oxidative Stress Parameters and Polyamine Levels in Two Freshwater Invertebrates. *Ecotoxicol.Environ.Saf.* 68: 286-292.

EcoReference No.: 104131

Chemical of Concern: PQT; Habitat: A; Effect Codes: BCM,MOR; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Coler, R. A., Coler, R. R., Felizardo, E. K. G., and Watanabe, T. (2005). Applying Weight Gain in *Pomacea lineata* (Spix 1824) (Mollusca: Prosobranchia) as a Measure of Herbicide Toxicity. *Braz.J.Biol.* 65 : 617-623.

EcoReference No.: 107038

Chemical of Concern: PAQT,GYP; Habitat: A; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(PAQT,GYP). [Not a usable species]

Crosby, D. G. and Tucker, R. K. (1966). Toxicity of Aquatic Herbicides to *Daphnia magna*. *Science* 154: 289-291.

EcoReference No.: 2775

Chemical of Concern: EDT,24DXY,DBN,DU,MLT,PAQT,PPN,AMTL,MCPA,As,PQT; Habitat: A; Effect Codes: PHY,MOR; Rejection Code: LITE EVAL CODED(24DXY,MLT,DU,PPN,PQT). [Not more sensitive than submitted studies, No control information]

Czarniewska, E., Kasprzyk, A., and Ziemnicki, K. (2003). Effect of Paraquat and Metoxychlor on Antioxidant Enzymes in Frog *Rana esculenta* L. Liver. *Biol.Lett.* 40: 125-133 .

EcoReference No.: 107520

Chemical of Concern: PAQT,MXC; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

D'Souza, U. J. A., Zain, A., and Raju, S. (2005). Genotoxic and Cytotoxic Effects in the Bone Marrow of Rats Exposed to a Low Dose of Paraquat via the Dermal Route. *Mutat.Res.* 581: 187-190.

EcoReference No.: 80476

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via dermal application, not more sensitive than submitted studies reviewed by HED]

Dafre, A. L., Medeiros, I. D., Muller, I. C., Ventura, E. C., and Bainy, A. C. D. (2004). Antioxidant Enzymes and Thiol/Disulfide Status in the Digestive Gland of the Brown Mussel *Perna perna* Exposed to Lead and Paraquat. *Chem.-Biol.Interact.* 149: 97-105.

EcoReference No.: 85430

Chemical of Concern: Pb,PAQT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [No specific chemical information]

Dallinger, R., Chabicovsky, M., Lagg, B., Schipflinger, R., Weirich, H. G., and Berger, B. (2004). Isoform-Specific Quantification of Metallothionein in the Terrestrial Gastropod *Helix pomatia*. II. A Differential Biomarker Approach Under Laboratory and Field Conditions. *Environ.Toxicol.Chem.* 23: 902-910.

EcoReference No.: 75066

Chemical of Concern: Cd,CuCl,PAQT,DMT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(CuCl,DMT,PAQT). [Exposure via immersion, not applicable]

Darvas, B., Rees, H. H., Hoggard, N., El-Din, M. H. T., Kuwano, E., Belai, I., and Timar, T. (1992). Cytochrome P-450 Inducers and Inhibitors Interfering with Ecdysone 20-Monooxygenases and Their Activities During Postembryonic Development of *Neobellieria bullata* Parker. *Pestic.Sci.* 36: 135-142.

EcoReference No.: 96775

Chemical of Concern: MTPN,DQTBr,FRM,PPB,PQT; Habitat: T; Effect Codes: MOR,PHY,GRO; Rejection Code: LITE EVAL CODED(DQTBr,PQT),OK(FRM,MTPN,PPB). [Not more sensitive than submitted studies reviewed by HED]

Day, B. J. and Crapo, J. D. (1996). A Metalloporphyrin Superoxide Dismutase Mimetic Protects Against Paraquat-Induced Lung Injury In Vivo. *Toxicol.Appl.Pharmacol.* 140: 94-100.

EcoReference No.: 105485

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY,CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

De Croux, M. J. P., Arquiel, P., Ortega, H., and Lorente, J. A. (1999). Acute Toxicity of Paraquat to a Commonly Neotropical Fish Species (*Apareiodon affinis*) (Pisces, Hemiodidae). *Pol.Arch.Hydrobiol.* 46: 57-62.

EcoReference No.: 107676

Chemical of Concern: PQT; Habitat: A; Effect Codes: MOR,CEL; Rejection Code: LITE EVAL CODED(PQT). [Formulation is not registered for use in the US, and not enough detail was provided]

De Gori, N., Froio, F., Strongoli, M. C., De Francesco, A., Calo, M., and Nistico, G. (1988). Behavioural and Electrocortical Changes Induced by Paraquat After Injection in Specific Areas of the Brain of the Rat. *Neuropharmacology* 27: 201-207.

EcoReference No.: 90469

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BEH,BCM,CEL; Rejection Code: LITE EVAL CODED(PAQT),NO COC(DNB). [Exposure via injection, not applicable]

De Medeiros, V. M., Watanabe, T., Coler, R. R., and Coler, R. A. (2001). Development of Methods to Assess the Impact of Herbicide Use on the Benthos of Littoral Impoundments in Northeast Brazil. *J.Aquat.Ecosyst.Stress Recovery* 9: 67-71.

EcoReference No.: 107039

Chemical of Concern: PAQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PAQT). [No control information]

De Roode, D. F., Vuorinen, P. J., and Bosveld, A. T. C. (2002). Effects of Furazolidone, PCB77, PCB126, Aroclor 1248, Paraquat and p,p'-DDE on Transketolase Activity in Embryonal Chicken Brain. *Toxicology* 173: 203-210.

EcoReference No.: 75002

Chemical of Concern: PCB,PAQT,DDT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Descalzo, R. C., Punja, Z. K., Levesque, C. A., and Rahe, J. E. (1998). Glyphosate Treatment of Bean Seedlings Causes Short-Term Increases in Pythium Populations and Damping off Potential in Soils. *Appl.Soil Ecol.* 8: 25-33.

EcoReference No.: 104504

Chemical of Concern: GYPI,PQT; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(GYPI,PQT). [Endpoints not applicable for assessment]

Devillers, J., Meunier, T., and Chambon, P. (1985). Usefulness of the Dosage-Effect-Time Relation in Ecotoxicology for the Determination of Different Chemical Classes of Toxicants (Interet de la Relation Dose-Effet-Temps en Ecotoxicologie pour la Determination des Differentes Classes Chimiques de Toxiques). *Tech.Sci.Munic.* 80: 329-334 (FRE) (ENG ABS).

EcoReference No.: 17456

Chemical of Concern: 24DXY,DMT,DS,DZ,HCCH,MLN,CuS,PCP,Zn,PL,ZnS,DDVP,ES,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(DS,24DXY,MLN,DZ,ZnS,DMT,DDVP,ES,PQT). [Not more sensitive than submitted studies]

Di Marzio, W. D., Alberdi, J. L., Saenz, M. E., and Tortorelli, M. C. (1998). Effects of Paraquat (Osaquat Formulation) on Survival and Total Cholinesterase Activity in Male and Female Adults of *Cnesterodon decemmaculatus* (Pisces, Poeciliidae). *Environ.Toxicol.Water Qual.* 13: 55-59.

EcoReference No.: 59822

Chemical of Concern: PQT; Habitat: A; Effect Codes: BCM,MOR; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies, chemical formulation not registered for use in the U.S.]

Di Marzio, W. D. and Tortorelli, M. C. (1993). Acute Toxicity of Paraquat and No-Inhibitory Chronic Effect on Brain Acetylcholinesterase Activity of Freshwater Fish *Bryconamericus iheringii* (Pisces, Characidae).

*J.Environ.Sci.Health B28: 701-709.*

EcoReference No.: 14847

Chemical of Concern: PQT; Habitat: A; Effect Codes: MOR,BCM; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Di Marzio, W. D. and Tortorelli, M. C. (1994). Effects of Paraquat on Survival and Total Cholinesterase Activity in Fry of *Cnesterodon decemmaculatus* (Pisces, Poeciliidae). *Bull.Environ.Contam.Toxicol.* 52: 274-278.

EcoReference No.: 13789

Chemical of Concern: PQT; Habitat: A; Effect Codes: MOR,BCM; Rejection Code: LITE EVAL CODED(PQT). [Formulation is not registered for use in the US, and not enough detail was provided]

Dial, N. A. and Bauer, C. A. (1984). Teratogenic and Lethal Effects of Paraquat on Developing Frog Embryos (*Rana pipiens*). *Bull.Environ.Contam.Toxicol.* 33: 592-597.

EcoReference No.: 11292

Chemical of Concern: PQT; Habitat: A; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(PQT). [Not enough chemical information provided, test method used was not scientifically sound]

Dial, N. A. and Baur Dial, C. A. (1987). Lethal Effects of Diquat and Paraquat on Developing Frog Embryos and 15-Day-Old Tadpoles, *Rana pipiens*. *Bull.Environ.Contam.Toxicol.* 38: 1006-1011.

EcoReference No.: 2604

Chemical of Concern: PQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PQT). [Not enough chemical information provided, test method used was not scientifically sound]

Dikshith, T. S. S., Datta, K. K., Raizada, R. B., and Kushwah, H. S. (1979). Effects of Paraquat Dichloride in Male Rabbits. *Indian J.Exp.Biol.* 17: 926-928.

EcoReference No.: 107508

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,MOR,CEL; Rejection Code: LITE EVAL CODED(PQT). [No endpoint reported]

Dinis-Oliveira, R. J., Duarte, J. A., Remiao, F., Sanchez-Navarro, A., Bastos, M. L., and Carvalho, F. (2006). Single high Dose Dexamethasone Treatment Decreases the Pathological Score and Increases the Survival Rate of Paraquat-Intoxicated Rats. *Toxicology* 227: 73-85.

EcoReference No.: 96328

Chemical of Concern: PQT; Habitat: T; Effect Codes: CEL,GRO,BCM,ACC; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Divertie, M. B., Owen, C. A. Jr., Barham, S. S., and Ludwig, J. (1982). Accumulation of Radionuclide-Labeled Platelets and Fibrinogen in Paraquat-Damaged Rat Lungs. *Am.Rev.Respir.Dis.* 125: 574-578.

EcoReference No.: 104598

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,PHY,GRO; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Dragin, N., Smani, M., Arnaud-Dabernat, S., Dubost, C., Moranvillier, I., Costet, P., Daniel, J. Y., and Peuchant, E. (2006). Acute Oxidative Stress is Associated with Cell Proliferation in the Mouse Liver. *FEBS Lett.* 580: 3845-3852.

EcoReference No.: 104174

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,GRO,CEL; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Eck, P. and Pallauf, J. (1999). Induction of Metallothionein by Paraquat Injection in Zinc-Deficient Rats. *J.Anim.Physiol.Anim.Nutr.* 81: 203-211.

EcoReference No.: 85726

Chemical of Concern: PAQT; Habitat: T; Effect Codes: GRO,BCM,CEL; Rejection Code: LITE EVAL CODED(PAQT),NO COC(Zn). [Exposure via injection, not applicable]

Ecker, J. L., Hook, J. B., and Gibson, J. E. (1975). Nephrotoxicity of Paraquat in Mice. *Toxicol.Appl.Pharmacol.* 34: 178-186.

EcoReference No.: 36512

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY,ACC; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Ekpo, A. O. and Okorie, F. C. (2004). The Effect of Two Pesticides Dichlorvos and Paraquat on *Heterobranchus longifilis* (Valenciennes). *Global J.Pure Appl.Sci.* 10: 55-60.

EcoReference No.: 88436

Chemical of Concern: DDVP,PAQT; Habitat: A; Effect Codes: MOR,BEH,PHY,GRO; Rejection Code: LITE EVAL CODED(DDVP,PAQT). [Not enough chemical information provided]

El-Abidin Salam, A. Z., Hussein, E. H. A., El-Itriby, H. A., Anwar, W. A., and Mansour, S. A. (1993). The Mutagenicity of Gramoxone (Paraquat) on Different Eukaryotic Systems. *Mutat.Res.* 319: 89-101.

EcoReference No.: 107921

Chemical of Concern: PQT; Habitat: T; Effect Codes: MOR,CEL; Rejection Code: LITE EVAL CODED(PQT). [Exposure via environmental, unspecified, not enough information provided]

Eleftherohorinos, I. G. and Dhima, K. V. (2002). Red Rice (*Oryza sativa*) Control in Rice (*O. sativa*) with Preemergence and Postemergence Herbicides. *Weed Technol.* 16: 537-540.

EcoReference No.: 95840

Chemical of Concern: MTL,DMM,ACR,ACO,PAQT,OZFE; Habitat: A; Effect Codes: POP,REP; Rejection Code: LITE EVAL CODED(ACR,PAQT). [Endpoints not applicable to be used in assessment]

Eullaffroy, P., Frankart, C., and Biagianti, S. (2007). Toxic Effect Assessment of Pollutant Mixtures in *Lemna minor* by Using Polyphasic Fluorescence Kinetics. *Toxicol.Environ.Chem.* 89: 683-696.

EcoReference No.: 102140

Chemical of Concern: DU,PAQT,CuS,FZS; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(DU,PAQT,CuS,FZS). [Mixture paper reviewed and included within the risk assessment]

Eullaffroy, P. and Vernet, G. (2003). The F684/F735 Chlorophyll Fluorescence Ratio: A Potential Tool for Rapid Detection and Determination of Herbicide Phytotoxicity in Algae. *Water Res.* 37: 1983-1990.

EcoReference No.: 93825

Chemical of Concern: ATZ,MBZ,DU,PAQT,TBZ,DCPU,MMD; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(ATZ,MBZ,DU,PAQT,TBZ,DCPU,MMD). [Not more sensitive than submitted studies]

Fai, P. B., Grant, A., and Reid, B. (2007). Chlorophyll a Fluorescence as a Biomarker for Rapid Toxicity Assessment. *Environ.Toxicol.Chem.* 26: 1520-1531.

EcoReference No.: 102060

Chemical of Concern: ATZ,DU,PQT,ACR,DFPM,MSFM; Habitat: A; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(DU,ATZ,PQT,ACR),OK(DFPM,MSFM). [Not more sensitive than



submitted studies, endpoints not applicable for this assessment]

Fairchild, J. F., Ruessler, D. S., Haverland, P. S., and Carlson, A. R. (1997). Comparative Sensitivity of *Selenastrum capricornutum* and *Lemna minor* to Sixteen Herbicides. *Arch.Environ.Contam.Toxicol.* 32: 353-357.

EcoReference No.: 18093

Chemical of Concern: 24DXY,ACR,ATZ,BMN,MBZ,MTL,PAQT,SZ,DMM,TFN,EPTC,PQT; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(EPTC,24DXY,ATZ,MTL,SZ,ACR,PQT). [Not more sensitive than submitted studies]

Farag, R. S., El-Leithy, M. A., Basyony, A. E., and Daw, Z. Y. (1987). Growth and Aflatoxin Production by *Aspergillus parasiticus* in a Medium Containing Plant Hormones, Herbicides or Insecticides. *J.Food Prot.* 50: 1044-1047.

EcoReference No.: 89314

Chemical of Concern: IAA,PAQT,PDM,TFN,MLN,AZ,PIRM; Habitat: T; Effect Codes: POP,BCM; Rejection Code: LITE EVAL CODED(MLN,AZ,PAQT,TFN),OK(IAA,PDM,PIRM). [Endpoints not applicable for assessment]

Fedorko, A. (1979). The Effect of Some Herbicides on *Pristionchus uniformis*, a Nematode Parasitic to the Colorado Beetle. *Bull.Acad.Pol.Sci.* 27: 959-961.

EcoReference No.: 64426

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via culture medium, not enough information provided]

Felix, H. R., Chollet, R., and Harr, J. (1988). Use of the Cell Wall-Less Alga *Dunaliella bioculata* in Herbicide Screening Tests. *Ann.Appl.Biol.* 113: 55-60.

EcoReference No.: 13100

Chemical of Concern: 24DXY,ACR,ATZ,DBN,DU,GYP,NFZ,OXF,OYZ,TFN,SXD,ASM,AMTL,PAQT,NFZ,EPTC,FZFB,ACF,CSF,PQT; Habitat: A; Effect Codes: MOR,POP; Rejection Code: LITE EVAL CODED(ATZ,OXF,EPTC,OYZ,DU,ACR,PQT),NO ENDPOINT(GYP,NFZ,24D). [Not enough information provided, endpoints not applicable to be used in assessment]

Ferreiro, J. A., Consuegra, S., Sierra, L. M., and Comendador, M. A. (1997). Is the White-Ivory Assay of *Drosophila melanogaster* a Useful Tool in Genetic Toxicology? *Environ.Mol.Mutagen.* 29: 406-417.

EcoReference No.: 104517

Chemical of Concern: PQT,FML,DMBA; Habitat: AT; Effect Codes: PHY,BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via environmental, unspecified, not enough information provided]

Figueiredo-Fernandes, A., Fontainhas-Fernandes, A., Rocha, E., and Reis-Henriques, M. A. (2006). The Effect of Paraquat on Hepatic EROD Activity, Liver, and Gonadal Histology in Males and Females of Nile Tilapia, *Oreochromis niloticus*, Exposed at Different Temperatures. *Arch.Environ.Contam.Toxicol.* 51: 626-632.

EcoReference No.: 104190

Chemical of Concern: PQT; Habitat: A; Effect Codes: PHY,REP,BCM,GRO; Rejection Code: LITE EVAL CODED(PQT). [No relevant information, sublethal effects]

Figueiredo-Fernandes, A., Fontainhas-Fernandes, A., Peixoto, F., Rocha, E., and Reis-Henriques, M. A. (2006). Effects of Gender and Temperature on Oxidative Stress Enzymes in Nile Tilapia *Oreochromis niloticus* Exposed to Paraquat. *Pestic.Biochem.Physiol.* 85: 97-103.

EcoReference No.: 104191

Chemical of Concern: PAQT; Habitat: A; Effect Codes: BCM,CEL,GRO; Rejection Code: LITE EVAL CODED(PAQT). [Used in Assessment]

Filho, D. F., Pungartnik, C., Cascardo, J. C. M., and Brendel, M. (2006). Broken Hyphae of the Basidiomycete *Crinipellis perniciosus* Allow Quantitative Assay of Toxicity. *Curr.Microbiol.* 52: 407-412.

EcoReference No.: 104596

Chemical of Concern: PAQT,HOX; Habitat: T; Effect Codes: MOR,CEL; Rejection Code: LITE EVAL CODED(PAQT),TARGET(HOX). [Not applicable endpoint]

Fischer, E. (1989). Effects of Atrazine and Paraquat-Containing Herbicides on *Eisenia foetida* (Annelida, Oligochaeta). *Zool.Anz.* 223: 291-300.

EcoReference No.: 61719

Chemical of Concern: ATZ,PQT; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(PQT),NO ENDPOINT(ATZ). [Not more sensitive than submitted studies, exposure via direct application, not applicable]

Fisher, H. K., Clements, J. A., and Wright, R. R. (1973). Enhancement of Oxygen Toxicity by the Herbicide Paraquat. *Am.Rev.Respir.Dis.* 107: 246-252.

EcoReference No.: 88416

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR,CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Fisher, H. K., Clements, J. A., and Wright, R. R. (1973). Pulmonary Effects of the Herbicide Paraquat Studied 3 Days after Injection in Rats. *J.Applied Physiol.* 35: 268-273.

EcoReference No.: 36619

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,MOR,GRO,PHY,CEL; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Fleming, W. J., Ailstock, M. S., and Momot, J. J. (1995). Net Photosynthesis and Respiration of Sago Pondweed (*Potamogeton pectinatus*) Exposed to Herbicides. In: *J.S.Hughes, G.R.Biddinger, and E.Mones (Eds.), Symp.Environmental Toxicology and Risk Assessment, Volume 3, ASTM STP 1218, Philadelphia, PA* 303-317.

EcoReference No.: 70739

Chemical of Concern: ATZ,SZ,ACR,CZE,GYP,LNR,MTL,MBZ,24D,PAQT,ACF; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(MTL,ATZ,SZ,LNR,24D,GYP,PAQT,ACR). ). [Endpoints not applicable to be used in assessment, Not more sensitive than submitted studies]

Fletcher, K. (1967). Production and Viability of Eggs from Hens Treated with Paraquat. *Nature* 215: 1407-1408.

EcoReference No.: 107072

Chemical of Concern: PAQT; Habitat: T; Effect Codes: REP,PHY,ACC,GRO; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via drinking water, not applicable]

Frankart, C., Eullaffroy, P., and Vernet, G. (2003). Comparative Effects of Four Herbicides on Non-Photochemical Fluorescence Quenching in *Lemna minor*. *Environ.Exp.Bot.* 49: 159-168.

EcoReference No.: 92905

Chemical of Concern: ATZ,PQT,NFZ,FZS; Habitat: A; Effect Codes: POP,PHY,BCM; Rejection Code: LITE EVAL CODED(NFZ,PQT,ATZ),OK(FZS). [Endpoints not applicable to be used in assessment]

Franqueira, D., Cid, A., Torres, E., Orosa, M., and Herrero, C. (1999). A Comparison of the Relative Sensitivity of

Structural and Functional Cellular Responses in the Alga *Chlamydomonas eugametos* Exposed to the Herbicide Paraquat. *Arch.Environ.Contam.Toxicol.* 36: 264-269.

EcoReference No.: 20047

Chemical of Concern: PAQT,PQT; Habitat: A; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Fredriksson, A., Fredriksson, M., and Eriksson, P. (1993). Neonatal Exposure to Paraquat or MPTP Induces Permanent Changes in Striatum Dopamine and Behavior in Adult Mice. *Toxicol.Appl.Pharmacol.* 122: 258-264.

EcoReference No.: 104515

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BEH,GRO,REP,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Not enough information provided]

Fukushima, T., Gao, T., Tawara, T., Hojo, N., Isobe, A., and Yamane, Y. (1997). Inhibitory Effect of Nicotinamide to Paraquat Toxicity and the Reaction Site on Complex I. *Arch.Toxicol.* 71: 633-637.

EcoReference No.: 104514

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,PHY,MOR; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Gaivao, I., Sierra, L. M., and Comendador, M. A. (1999). The W/W+ Smart Assay of *Drosophila melanogaster* Detects the Genotoxic Effects of Reactive Oxygen Species Inducing Compounds. *Mutat.Res.* 440: 139-145.

EcoReference No.: 104637

Chemical of Concern: PQT,DQTB; Habitat: AT; Effect Codes: GRO,PHY; Rejection Code: LITE EVAL CODED(PQT,DQTB). [Exposure via culture medium, not enough information provided]

Galvani, P., Cassani, A., Fumagalli, P., and Santagostino, A. (2000). Effect of Paraquat on Glutathione Activity in Japanese Quail. *Bull.Environ.Contam.Toxicol.* 64: 74-80.

EcoReference No.: 49419

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Gardiner, T. H., McAnalley, B. H., Heaton, J., and Reynolds, R. C. (1979). Changes in the Pulmonary Uptake and Binding of Drugs in an Experimental Model of Lung Fibrosis. *Toxicol.Appl.Pharmacol.* 49: 487-496.

EcoReference No.: 104513

Chemical of Concern: PQT; Habitat: T; Effect Codes: GRO,PHY,BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Gardner, W. A. and Storey, G. K. (1985). Sensitivity of *Beauveria bassiana* to Selected Herbicides. *J.Econ.Entomol.* 78: 1275-1279.

EcoReference No.: 70790

Chemical of Concern:

ACF,BT,FZF,MTL,OYZ,OYF,PND,ACR,DFP,DU,GYP,MBZ,SZ,PQT,PPZ,SXD,TRB,TFN,24D;

Habitat: T; Effect Codes: GRO,POP; Rejection Code: LITE EVAL CODED(DU,PQT,ACR). [Not applicable, as the growth media is water]

Ghazi-Khansari, M., Mohammadi-Karakani, A., Sotoudeh, M., Mokhtary, P., Pour-Esmaeil, E., and Maghsoud, S. (2007). Antifibrotic Effect of Captopril and Enalapril on Paraquat-Induced Lung Fibrosis in Rats. *J.Appl.Toxicol.* 27: 342-349.

EcoReference No.: 104512

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Giri, S. N., Curry, D. L., Hollinger, M. A., and Freywald, M. (1979). Effect of Paraquat on Plasma Enzymes, Insulin, Glucose, and Liver Glycogen in the Rat. *Environ.Res.* 20: 300-308.

EcoReference No.: 104511

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,GRO; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Giri, S. N., Curry, D. L., Stabenfeldt, G., Spangler, W. L., Chandler, D. B., and Schiedt, M. J. (1983). Effects of Paraquat on Plasma Glucose, Cortisol, Catecholamines, and Insulin in the Beagle. *Environ.Res.* 30: 80-88.

EcoReference No.: 104636

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Giri, S. N., Hollinger, M. A., and Schiedt, M. J. (1980). The Effects of Ozone and Paraquat on PGF<sub>2</sub>alpha and PGE<sub>2</sub> Levels in Plasma and Combined Pleural Effusion and Lung Lavage of Rats. *Environ.Res.* 21: 467-476.

EcoReference No.: 104510

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Giri, S. N., Hollinger, M. A., and Schiedt, M. J. (1981). The Effects of Paraquat and Superoxide Dismutase on Pulmonary Vascular Permeability and Edema in Mice. *Arch.Environ.Health* 36: 149-154.

EcoReference No.: 104509

Chemical of Concern: PQT; Habitat: T; Effect Codes: PHY,CEL,MOR; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

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, Manitoba. *M.S.Thesis, University of Manitoba, Winnipeg, Manitoba* 179 p.

EcoReference No.: 13583

Chemical of Concern: 24D,MCPA,SZ,ATZ,AMTL,LNR,EPTC,TRL,PAQT,CuS; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(EPTC,ATZ,SZ,LNR,PAQT,CuS,24D). [Not enough information regarding species, endpoint measurements not applicable to be used in assessment]

Gorkin, V., Amanov, K., Mamadiev, M., Medvedev, A., and Khuzhamberdiev, M. (1994). The Biochemical Mechanisms of the Toxic Effects of Some Pyridine Derivatives. 1. Study on the Deamination of Biogenic Amines and Other Nitrogenous Compounds in Paraquat Intoxication. *Arch.Environ.Contam.Toxicol.* 26: 534-539.

EcoReference No.: 104634

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,MOR; Rejection Code: LITE EVAL CODED(PQT). [Not enough information reported]

Goumenou, M. and Machera, K. (2004). Mixture of Paraquat and Linuron Formulations Examined for Genotoxicity in Wistar Rats by the In Vivo Micronucleus Test - Evaluation by Different Statistical Tests. *J.Environ.Sci.Health Part B* 39: 75-87.

EcoReference No.: 104633

Chemical of Concern: LNR,PQT; Habitat: T; Effect Codes: CEL; Rejection Code: LITE EVAL CODED(PQT),OK(LNR). [Mixture paper reviewed and included within the risk 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:

PDM,ASM,CPP,PHMD,GFSNH,ACFNa,AZT,PMT,MBZ,BT,DU,PPN,PAQT,PHMD,MCPA,24D,ACR,SXD,DFPM,DBN,GYP,IZT,IMQ,CSF,UREA,NP; Habitat: AT; Effect Codes: GRO,POP; Rejection Code: LITE EVAL

CODED(ATZ,DU,GYP,PDM,PMT,PPN,PAQT,ACR,GFSNH),OK(24D,SXD,PHMD). [Endpoints not applicable for assessment]

Guy, R. D. and Narine, D. R. (1980). A Model System for the Investigation of Methods of Herbicide Speciation. *Environ.Sci.Res.* 16: 417-434.

EcoReference No.: 107574

Chemical of Concern: ATZ,PQT,BNT; Habitat: A; Effect Codes: REP; Rejection Code: LITE EVAL CODED(PQT),OK(ATZ). [Not more sensitive than submitted studies]

Hagiwara, S., Iwasaka, H., Matsumoto, S., and Noguchi, T. (2007). An Antisense Oligonucleotide to HSP47 Inhibits Paraquat-Induced Pulmonary Fibrosis in Rats. *Toxicology* 236: 199-207.

EcoReference No.: 104632

Chemical of Concern: PQT; Habitat: T; Effect Codes: MOR,CEL,BCM; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies reviewed by HED]

Hampson, E. C. G. M., Eyles, D. W., and Pond, S. M. (1989). Effects of Paraquat on Canine Bronchoalveolar Lavage Fluid. *Toxicol.Appl.Pharmacol.* 98: 206-215.

EcoReference No.: 104631

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Haque, A. and Ebing, W. (1983). Toxicity Determination of Pesticides to Earthworms in the Soil Substrate. *J.Plant Dis.Prot.* 90: 395-408 (OECDG Data File).

EcoReference No.: 40493

Chemical of Concern:

BMY,Captan,Cn,Folpet,TDF,ATZ,PAQT,CQTC,ADC,CBF,ES,HCCH,MTM,MDT,PPX,TBO,CAP,PQT; Habitat: T; Effect Codes: MOR,GRO,POP,BEH; Rejection Code: LITE EVAL

CODED(Captan,Folpet,CAP,ATZ,CBF,ADC,CQTC,TBO,MTM,BMY,PQT),NO CONTROL(ES),NO COC(Maneb). [Exposure via direct application, not applicable]

Hara, S., Mukai, T., Kurosaki, K., Kuriwa, F., Yanase, T., Kano, S., and Endo, T. (2001). No Parallel Relationship Between Nitric Oxide Production and Wet Dog Shakes Susceptible to Nitric Oxide Synthase Inhibitors Following Systemic Administration of Paraquat in Rats. *Arch.Toxicol.* 74: 775-782.

EcoReference No.: 106614

Chemical of Concern: PQT; Habitat: T; Effect Codes: PHY,BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Harshman, L. G. and Haberer, B. A. (2000). Oxidative Stress Resistance: A Robust Correlated Response to

Selection in Extended Longevity Lines of *Drosophila melanogaster*? *J.Gerontol.Ser.A* 55: B415-B417.

EcoReference No.: 104732

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via direct application, not applicable]

Hausburg, M. A., DeKrey, G. K., Salmen, J. J., Palic, M. R., and Gardiner, C. S. (2005 ). Effects of Paraquat on Development of Preimplantation Embryos In Vivo and In Vitro. *Reprod.Toxicol.* 20: 239-246.

EcoReference No.: 106069

Chemical of Concern: PAQT; Habitat: T; Effect Codes: GRO,CEL,REP,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Heath, R. G., Spann, J. W., Hill, E. F., and Kreitzer, J. F. (1972). Comparative Dietary Toxicities of Pesticides to Birds. *U.S.Bureau of Sport Fisheries and Wildlife.Special Scientific Report-Wildlife No.152* 57 p.

EcoReference No.: 35214

Chemical of Concern:

AZ,TMP,AND,AMTL,ATZ,PPX,Captan,CHL,CHD,TCF,24DXY,DDT,24DB,DDVP,DEM,DEZ,DBN,DC F,DLD,DS,DU,CU,CPY,DMT,SZ,FNF,ES,EN,TXP,FNT,FNTH,AZ,HPT,PSM,HCCH,MLN,MCPB,MTA S,MOM,MXC,MP,MRX,Nabam,Naled,OXC,PRN,PCP,PRT,PSM,PPHD,PCL,TFM,THM,PPG,CMPH,O XD,DZ,PQT; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(AZ,PRT,PPG,PSM,DS,CBL,DZ,ATZ,SZ,DMT,MLN,MP,Captan,Naled,CMPH,TMP,OXD,CPY, EP,DU,DDVP,TCF,ES,FNT,DCF,24D,PQT). [Same data as submitted avian studies]

Hill, E. F. and Camardese, M. B. (1986). Lethal Dietary Toxicities of Environmental Contaminants and Pesticides to Coturnix. *U.S.Fish Wildl.Serv., Fish Wildl.Tech.Rep.No.2* 147 p.

EcoReference No.: 50181

Chemical of Concern:

24D,24DXY,ACP,ADC,AMSV,AMTL,AND,ARM,ATN,ATZ,AZ,BMC,BMN,BMY,Captan,CBF,CBL,C dCl,CHD,CMPH,CPY,CPYM,CrS,DBN,DCF,DCTP,DDT,DDVP,DEM,DFPM,DINO,DLD,DMB,DMT,D QTB r,DS,DU,DZ,EN,EP,ES,ETN,FMP,FNF,FNT,FNTH,FTTCl,GYP,HCCH,HgCl<sub>2</sub>,HPT,IFP,K<sub>2</sub>Cr<sub>2</sub>O<sub>7</sub>,L NR,Maneb,MCB,MCPB,MDT,MLN,MLT,MOM,MP,MRX,MSMA,MTAS,MTM,MVP,MXC,Naled,Ni,O XD,Pb,PbN,PCB,PCL,PCP,PHSL,PMR,PPB,PPHD,PPN,PPX,PQT,PRN,PRT,PSM,PYN,RSM,RTN,SPS, STAR,SZ,TBO,TCF,TEPP,TFN,THM,TMP,TVMP, TVP,TXP,V,Zineb,Ziram,ZnP; Habitat: T; Effect Codes: MOR,BEH; Rejection Code: LITE EVAL CODED(ACP,ADC,ATN,ATZ,AZ,BMC,BMY,Captan,CBF,CBL,CMPH,CPY,CPYM,DCF,DCTP,DDVP, DMT,DQTB r,DS,DU,DZ,EP,ES,FMP,FNF,FNT,FTTCl,GYP,MCB,MDT,MLN,MLT,MOM,MP,MTAS, MTM,MVP,Naled,OXD,PMR,PPN,PQT,PRN,PRT,PSM,RTN,SZ,TBO,TCF,TFN,TMP,TVP,Ziram,24D), OK(ES,MVP,PPN,TEPP,TFN). [Not statistically different than the submitted studies]

Hill, E. F., Heath, R. G., Spann, J. W., and Williams, J. D. (1975). Lethal Dietary Toxicities of Environmental Pollutants to Birds. *U.S.Fish and Wildl.Serv.No.191, Special Scientific Report-Wildlife* 61 p.

EcoReference No.: 35243

Chemical of Concern:

24DXY,TMP,ADC,AMTL,AND,ATZ,Captan,CBF,CBL,Cd,Cr,DDT,DLD,DMT,DS,DU,DZ,EP,ES,ETN, FMP,FNT,HCCH,Hg,HPT,MCPB,MLN,MP,MRX,MTAS,MXC,Naled,Pb,PCB,PCL,PCP,PQT,PRN,PRT, PYN,RSM,RTN,SZ,TFM,THM,TVP,TXP,Zn,ZnP,As,AZ,OXD,PSM,LNR,PPG,CYP,PEM,MOM,DDVP, PHTH,DBN,CMPH,TVPM,DCTP,CPY,TCF,DCF; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(AZ,PPG,LNR,PSM,DS,24DXY,CPY,MP,Naled,Captan,MLN,OXD,MTAS,CBL,DZ,ATZ,CBF, ADC,MOM,DMT,SZ,ZnP,RTN,RSM,MCPB,PCP,PRT,CMPH,TVPM,TMP,DCTP,EP,FMP,DU,DDVP,T CF,ES,FNT,DCF,PQT). [This is the submitted data used in the assessment]

Hilliker, A. J., Duyf, B., Evans, D., and Phillips, J. P. (1992). Urate-Null Rosy Mutants of *Drosophila melanogaster* are Hypersensitive to Oxygen Stress. *Proc.Natl.Acad.Sci.U S A* 89: 4343-4347.

EcoReference No.: 106070

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via environmental, unspecified, not enough information provided]

Hoffer, E., Avidor, I., Benjaminov, O., Shenker, L., Tabak, A., Tamir, A., Merzbach, D., and Taitelman, U. (1993). N-Acetylcysteine Delays the Infiltration of Inflammatory Cells into the Lungs of Paraquat-Intoxicated Rats. *Toxicol.Appl.Pharmacol.* 120: 8-12.

EcoReference No.: 106071

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Hoffer, E., Shenker, L., Baum, Y., and Tabak, A. (1997). Paraquat-Induced Formation of Leukotriene B4 in Rat Lungs: Modulation by N-Acetylcysteine. *Free Radic.Biol.Med.* 22: 567-572.

EcoReference No.: 105054

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

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,DDVP,PQT; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(PMR,GYP,PSM,24DXY,Naled,MLN,CBL,ACP,PRO,DZ,ATZ,MOM,DMT,DMB,ALSV,TMP,DDVP,PPN,PQT),NO MIXTURE(BMN,MCPA). [Exposure via eggshell, questionable]

Hoffman, D. J. and Eastin Jr, W. C. (1982). Effects of Lindane, Paraquat, Toxaphene, and 2,4,5-Trichlorophenoxyacetic Acid on Mallard Embryo Development. *Arch.Environ.Contam.Toxicol.* 11: 79-86.

EcoReference No.: 35251

Chemical of Concern: HCCH,PQT; Habitat: T; Rejection Code: LITE EVAL CODED(PQT). [Exposure via eggshell, questionable]

Hoffman, D. J., Franson, J. C., Pattee, O. H., Bunck, C. M., and Murray, H. C. (1987). Toxicity of Paraquat in Nestling Birds: Effects on Plasma and Tissue Biochemistry in American Kestrels. *Arch.Environ.Contam.Toxicol.* 16: 177-183.

EcoReference No.: 39728

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,CEL,MOR,PHY; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Hoffman, J. R., Franson, J. C., Pattee, O. H., and Bunck, C. M. (1985). Survival, Growth, and Histopathological Effects of Paraquat Ingestion in Nestling American Kestrels (*Falco sparverius*). *Arch.Environ.Contam.Toxicol.* 14: 495-500.

EcoReference No.: 35246

Chemical of Concern: PQT; Habitat: T; Rejection Code: LITE EVAL CODED(PQT). [Exposure via capsule, not applicable]

Hollinger, M. A. (1984). Potentiation of Paraquat Lethality in Mice by Bacterial Lipopolysaccharide Pretreatment. *J.Pharmacol.Exp.Ther.* 230: 292-294.

EcoReference No.: 105053

Chemical of Concern: PQT; Habitat: T; Effect Codes: MOR,BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Hollinger, M. A., Giri, S. N., and Freywald, M. (1978). Effect of Paraquat on Zinc Content of Rat Lung. *Toxicol.Appl.Pharmacol.* 43: 259-266.

EcoReference No.: 106072

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,MOR; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Hudson, R. H., Tucker, R. K., and Haegele, M. A. (1984). Handbook of Toxicity of Pesticides to Wildlife. *Resour.Publ.No.153, Fish Wildl.Serv., 2nd Edition, U.S.D.I., Washington, DC* 90 p.

EcoReference No.: 50386

Chemical of Concern:

ACP,ACL,ACR,ADC,AND,ATN,AMTL,ANZ,ATZ,4AP,AZ,BFL,BTY,Captan,CBL,CBF,CHD,CPP,CQT C,CPYM,CMPH,CZE,24D,DCNA,DDT,DDVP,DEF,DEM,DZ,DBN,DLN,DCF,DCTP,DFZ,DINO,DLD, DMT,DQTBBr,DS,DU,ES,EDT,EN,EP,ETN,FMP,FNT,FNTH,FMU,FO,Folpet,FNF,HPT,PSM,HCCH,ML N,MDT,MCB,MOM,MTM,MTPN,MXC,MP,MVP,MRX,NaFA,NABAM,Naled,OXD,PMA,PNB,PPHD, PPX,PQT,PRN,PCP,PNB,PRT,PCL,PSM,PYT,RSM,RTN,STAR,STCH,TBF,TCDD,TFM,T1,TMP,TZL,T VP,TZL,THM,TXP,TCF,TFN,ZnP,Zineb,PCB; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL

CODED(ACL,ACR,ADC,ATN,BTY,Captan,CQTC,TBF,DBN,DLN,DCF,DFZ,DINO,DQTBBr,CPYM,ES, FNT,FO,MCB,MLN,MOM,MP,MVP,PQT,TCF,TFN,24D,CPY,DS,PSM,ATZ,DU,MDT,PRT,RTN,EP,D Z,TMP,CMPH,DCTP,TVPM,FMP,MTM,ACP,Naled,DDVP,DMT,AZ,CBF,PPX),OK(ACP,ATN,BTY,C BL,DFZ,Folpet,TBF,MTPN,OXD,PCP,RSM,STCH,TEPP,THM,ZnP). [Exposure via injection, not applicable]

Humpherson-Jones, F. M. and Burchill, R. T. (1982). Chemical Suppression of the Sexual Stage of *Leptosphaeria maculans* on Oil-Seed Rape and Turnip Seed Crop Straw. *Ann.Appl.Biol.* 100: 281-288.

EcoReference No.: 91944

Chemical of Concern: PAQT,CBD,BMY,THM,VCZ,TBA,PZM; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PZM,PAQT),OK(THM),TARGET(VCZ). [Exposure via soaking or dipping, not applicable]

Humphreys, J. M., Duyf, B., Joiner, M. L. A., Phillips, J. P., and Hilliker, A. J. (1996). Genetic Analysis of Oxygen Defense Mechanisms in *Drosophila melanogaster* and Identification of a Novel Behavioural Mutant with a Shaker Phenotype. *Genome* 39: 749-757.

EcoReference No.: 104734

Chemical of Concern: PQT; Habitat: T; Effect Codes: MOR,BCM,REP; Rejection Code: LITE EVAL CODED(PQT). [No relevant endpoint]

Humphreys, J. M., Hilliker, A. J., and Phillips, J. P. (1993). Paraquat Selection Identifies X-Linked Oxygen Defense Genes in *Drosophila melanogaster*. *Genome* 36: 162-165.

EcoReference No.: 104733

Chemical of Concern: PQT; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PQT). [Exposure via direct application, not applicable]

Hunter, G. S. and Prahlad, K. V. (1981). The Effects of Paraquat on Neonatal Rat Lung: A Histological and



Biochemical Study. *Arch.Environ.Contam.Toxicol.* 10: 151-158 .

EcoReference No.: 106615

Chemical of Concern: PQT; Habitat: T; Effect Codes: GRO,CEL,BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Ibrahim, E. A. (1989). The Influence of the Herbicide Paraquat "Gramaxon" on Growth and Metabolic Activity of the Chlorophytes *Scenedesmus dimorphus*, *Scenedesmus quadricauda*. *Bull.Natl.Inst.Oceanogr.Fish.* 15: 207-216.

EcoReference No.: 16732

Chemical of Concern: PQT; Habitat: A; Effect Codes: POP,BCM,PHY; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Ibrahim, E. A. (1990). The Influence of the Herbicide Paraquat "Gramaxon" on Growth and Metabolic Activity of Three Chlorophytes. *Water Air Soil Pollut.* 51: 89-93.

EcoReference No.: 106074

Chemical of Concern: PAQT; Habitat: A; Effect Codes: POP,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Not more sensitive than submitted studies]

Igbinoso, I. B. and Okafor, F. C. (1988). Environmental Stress and Parasitic Infections: I. The Effects of Gramoxone and Hexadrin on Embryo and Hatching of *Fasciola gigantica* miracidia. *Angew.Parasitol.* 29: 179-183.

EcoReference No.: 106170

Chemical of Concern: PQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PQT). [Endpoint listed not applicable]

Imamura, T. and Hasegawa, L. (1984). Subcellular Distribution of Malathion, Phenthoate, and Diethylsuccinate Carboxylesterases in Rat Lungs. *Pestic.Biochem.Physiol.* 22: 321-328.

EcoReference No.: 89367

Chemical of Concern: PQT,MLN; Habitat: T; Effect Codes: BCM,GRO; Rejection Code: LITE EVAL CODED(PQT),NO IN VITRO(MLN). [Exposure via injection, not applicable]

Ishida, Y., Takayasu, T., Kimura, A., Hayashi, T., Kakimoto, N., Miyashita, T., and Kondo, T. (2006). Gene Expression of Cytokines and Growth Factors in the Lungs After Paraquat Administration in Mice. *Legal Med.* 8: 102-109.

EcoReference No.: 105065

Chemical of Concern: PQT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Jacobsen, T. (1995). Acute Toxicity of 16 Water-Soluble Chemicals to the Fungus *Geotrichum candidum* Measured by Reduction in Glucose Uptake. *Toxicol.In Vitro* 9: 169-173.

EcoReference No.: 18069

Chemical of Concern: CuS,HgCl<sub>2</sub>,PL,NCTN,PAQT,SFL,As,NaCl,PQT; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(SFL,NCTN,CuS,PQT,NaCl). [Endpoints not applicable for assessment]

Jess, S. and Mowat, D. J. (1986). Transmission of Barley Yellow Dwarf Virus by Larvae of Frit Fly, *Oscinella frit* (L.) and the Effects of Sward-Killing Herbicides on Transmission. *Rec.Agric.Res.* 34: 57-60.

EcoReference No.: 96997

Chemical of Concern: GYP,PAQT; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(GYP,PAQT). [Not enough information provided]

Jiang, W., Garrett, K. A., Peterson, D. E., Harvey, T. L., Bowden, R. L., and Fang, L. (2005). The Window of Risk for Emigration of Wheat Streak Mosaic Virus Varies with Host Eradication Method. *Plant Dis.* 89: 853-858.

EcoReference No.: 97330

Chemical of Concern: GYPI,PAQT; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(GYPI,PAQT). [Exposure environmental, unspecified, not enough information provided]

Kam-Wing, L. and Furtado, J. I. (1977). The Chemical Control of *Salvinia molesta* (Mitchell) and Some Related Toxicological Studies. *Hydrobiologia* 56: 49-61.

EcoReference No.: 609

Chemical of Concern: PQT; Habitat: A; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies, No control information]

Kanchanopas, P. (1988). Effects of Paraquat on Snakehead Fish (*Ophicephalus striatus* Bloch). *Abstracts of Master of Science Theses, Faculty of Fisheries, Kasetsart University, Bangkok, Thailand* 13: 1-2 (ABS).

EcoReference No.: 17530

Chemical of Concern: PQT; Habitat: A; Rejection Code: LITE EVAL CODED(PQT). [Not a usable species]

Kehrer, J. P., Haschek, W. M., and Witschi, H. (1979). The Influence of Hyperoxia on the Acute Toxicity of Paraquat and Diquat. *Drug Chem.Toxicol.* 2: 397-408.

EcoReference No.: 105452

Chemical of Concern: PQT; Habitat: T; Effect Codes: MOR,ACC; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Ken, C. F., Lin, C. T., Shaw, J. F., and Wu, J. L. (2003). Characterization of Fish Cu/Zn-Superoxide Dismutase and Its Protection from Oxidative Stress. *Mar.Biotechnol.* 5: 167-173.

EcoReference No.: 106671

Chemical of Concern: PAQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PAQT). [Not more sensitive than submitted studies]

Kim, D. G. and Riggs, R. D. (1998). Effects of Some Pesticides on the Growth of ARF18 and Its Pathogenicity to *Heterodera glycines*. *J.Nematol.* 30: 201-205.

EcoReference No.: 70527

Chemical of Concern:

FPP,KFAT,DZ,TPM,MYC,MZB,FML,DLN,CTN,PNB,SXD,CBL,DCNA,MLN,CHX,DCF,GYPI,PAQT,TFN,ADC; Habitat: T; Effect Codes: GRO,POP; Rejection Code: LITE EVAL CODED(DZ,DCNA,SXD,CBL,GYPI,MLN,PAQT). [Endpoints not applicable for assessment]

Kim, Y. J., Lee, K. S., Kim, B. Y., Choo, Y. M., Sohn, H. D., and Jin, B. R. (2007). Thioredoxin from the Silkworm, *Bombyx mori*: cDNA Sequence, Expression, and Functional Characterization. *Comp.Biochem.Physiol.B* 147: 574-581.

EcoReference No.: 104718

Chemical of Concern: PAQT,HOX; Habitat: T; Effect Codes: CEL; Rejection Code: LITE EVAL CODED(PAQT,HOX). [Exposure via injection, not applicable]

Kirby, K., Hu, J., Hilliker, A. J., and Phillips, J. P. (2002). RNA Interference-Mediated Silencing of Sod2 in *Drosophila* Leads to Early Adult-Onset Mortality and Elevated Endogenous Oxidative Stress. *Proc.Natl.Acad.Sci.U S A* 95: 16162-16167.

EcoReference No.: 106730

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via environmental, unspecified, not enough information provided]

Kohen, R. and Chevion, M. (1986). Paraquat Toxicity is Mediated by Transition Metals. In: K.D.Kohen and M.Chevion (Eds.), *2nd Conf.on Copper Coord., Chem., Biological and Inorganic Copper Chemistry, Vol., 1, Jul.23-27, 1984, Albany, NY, Academic Press Inc., Guilderland, NY* 159-172.

EcoReference No.: 105137

Chemical of Concern: CuS,PAQT,FeRS; Habitat: T; Effect Codes: GRO,MOR,BCM; Rejection Code: LITE EVAL CODED(PAQT),NO ENDPOINT(FeRS),NO MIXTURE(CuS). [Exposure via injection, not applicable]

Koizumi, A., Tada, V., and Imamura, T. (1986). Similarity of Isozyme Pattern of Serum Lactate Dehydrogenase Following Treatments with O,O,S-Trimethyl Phosphorothioate and Paraquat. *Toxicol.Lett.* 31: 85-90.

EcoReference No.: 106109

Chemical of Concern: PQT,CTC; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Kori-Siakpere, O., Adamu, K., and Okenabirhie, J. (2007). Sublethal Effects of Paraquat on Some Plasma Organic Constituents (Metabolic Parameters) of African Catfish: *Clarias gariepinus* (Osteichthys-Clariidae). *Int.J.Zool.Res.* 3: 213-217.

EcoReference No.: 107150

Chemical of Concern: PQT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PQT). [No information regarding endpoint]

Kuo, T. L. (1988). Potentiation of Paraquat Lethality in Rats by Ethanol. *J.Formosan Med.Assoc.* 87: 55-59.

EcoReference No.: 105171

Chemical of Concern: PQT,ETHN; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PQT),NO MIXTURE(ETHN). [No reported endpoint listed]

Kuster, A., Pohl, K., and Altenburger, R. (2007). A Fluorescence-Based Bioassay for Aquatic Macrophytes and Its Suitability for Effect Analysis of Non-Photosystem II Inhibitors. *Environ.Sci.Pollut.Res.Int.* 14: 377-383.

EcoReference No.: 106232

Chemical of Concern: PQT,IGS; Habitat: A; Effect Codes: BCM,POP; Rejection Code: LITE EVAL CODED(PQT,IGS). [Not more sensitive than submitted studies]

Kuter, K., Smialowska, M., Wieronska, J., Zieba, B., Wardas, J., Pietraszek, M., Nowak, P., Biedka, I., Rocznik, W., Konieczny, J., Wolfarth, S., and Ossowska, K. (2007). Toxic Influence of Subchronic Paraquat Administration on Dopaminergic Neurons in Rats. *Brain Res.* 1155: 196-207.

EcoReference No.: 106616

Chemical of Concern: PQT; Habitat: T; Effect Codes: PHY,BCM,CEL; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Lajmanovich, R. C., Izaguirre, M. F., and Casco, V. H. (1998). Paraquat Tolerance and Alteration of Internal Gill Structure of *Scinax nasica* Tadpoles (Anura: Hylidae). *Arch.Environ.Contam.Toxicol.* 34: 364-369.

EcoReference No.: 18989

Chemical of Concern: PQT; Habitat: A; Effect Codes: MOR,CEL; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Lawrence, J. M. (1965). Graphic Presentation of Aquatic Herbicide Data. *Proc.South.Weed Conf.* 18: 568-573.

EcoReference No.: 14132

Chemical of Concern: PAQT,LNR,SZ; Habitat: A; Effect Codes: MOR,POP; Rejection Code: LITE EVAL CODED(SZ,LNR,PAQT). [Not enough information provided, ednpoints not applicable to be used in assessmnet]

Lee, H. S., Lee, K. S., Yu, K., and Hong, S. Y. (2008). Expression of Genes Related to Parkinson's Disease After Paraquat Treatment in *Drosophila melanogaster*. *Pestic.Biochem.Physiol.* 92: 19-23.

EcoReference No.: 106110

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,MOR; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via environmental, unspecified, not enough information provided]

Lee, K. S., Kim, B. Y., Kim, H. J., Seo, S. J., Yoon, H. J., Choi, Y. S., Kim, I., Han, Y. S., Je, Y. H., Lee, S. M., Kim, D. H., Sohn, H. D., and Jin, B. R. (2006). Transferrin Inhibits Stress-Induced Apoptosis in a Beetle. *Free Radic.Biol.Med.* 41: 1151-1161.

EcoReference No.: 105052

Chemical of Concern: HOX,PAQT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: LITE EVAL CODED(PAQT,HOX). [Exposure via injection, not applicable]

Lee, S. M., Lee, S. B., Park, C. H., and Choi, J. (2006). Expression of Heat Shock Protein and Hemoglobin Genes in *Chironomus tentans* (Diptera, Chironomidae) Larvae Exposed to Various Environmental Pollutants: A Potential Biomarker of Freshwater Monitoring. *Chemosphere* 65: 1074-1081.

EcoReference No.: 90390

Chemical of Concern: PQT,CPY,BAP,EED,NYP,FNT,ES,CTC,CdCl,PbN,K2Cr207; Habitat: A; Effect Codes: GRO,CEL; Rejection Code: LITE EVAL CODED(EED,CPY,ES,PQT,FNT),OK(BAP,NYP,CTC,CdCl,PbN,K2Cr207),NO COC(PYR). [Not more sensitive than submitted studies]

Leung, T. S., Naqvi, S. M., and Naqvi, N. Z. (1980). Paraquat Toxicity to Louisiana Crayfish (*Procambarus clarkii*). *Bull.EnvIRON.Contam.Toxicol.* 25: 465-469.

EcoReference No.: 5283

Chemical of Concern: PQT; Habitat: A; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Li, X., Yin, J., Cheng, C. M., Sun, J. L., Li, Z., and Wu, Y. L. (2005). Paraquat Induces Selective Dopaminergic Nigrostriatal Degeneration in Aging C57BL/6 Mice. *Chin.Med.J.* 118: 1357-1361.

EcoReference No.: 104735

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR,BCM,BEH,CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Liebau, E., Eschbach, M. L., Tawe, W., Sommer, A., Fischer, P., Walter, R. D., and Henkle-Duhrsen, K. (2000). Identification of a Stress-Responsive *Onchocerca volvulus* Glutathione S-Transferase (Ov-GST-3) by RT-PCR Differential Display. *Mol.Biochem.Parasitol.* 109: 101-110.

EcoReference No.: 107143

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL; Rejection Code: LITE EVAL

CODED(PAQT). [Exposure via culture medium, not enough information provided]

Lii, C. K., Wang, S. T., and Chen, H. W. (1996). The Detection of S-Glutathionation of Hepatic Carbonic Anhydrase III in Rats Treated with Paraquat or Diquat. *Toxicol.Lett.* 84: 97-105.

EcoReference No.: 106111

Chemical of Concern: PAQT,DQTBr; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT,DQTBr). [Exposure via injection, not applicable]

Lima Melo, L. E., Coler, R. A., Watanabe, T., and Batalla, J. F. (2000). Developing the Gastropod *Pomacea lineata* (Spix, 1827) as a Toxicity Test Organism. *Hydrobiologia* 429: 73-78.

EcoReference No.: 104799

Chemical of Concern: PAQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PAQT). [No specific chemical or control information, not native to North America, and in the wild the eggs are laid above the water line]

Linder, G., Barbitta, J., and Kwaiser, T. (1990). Short-Term Amphibian Toxicity Tests and Paraquat Toxicity Assessment. In: W.G.Landis and W.H.Van der Schalie (Eds.), *Aquatic Toxicology and Risk Assessment, Vol.13, ASTM STP 1096, Philadelphia, PA* 189-198.

EcoReference No.: 13295

Chemical of Concern: PQT; Habitat: A; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(PQT). [No control information, Test method used was not scientifically sound]

Linder, G. and Richmond, M. E. (1990). Feed Aversion in Small Mammals as a Potential Source of Hazard Reduction for Environmental Chemicals: Agrichemical Case Studies. *Environ.Toxicol.Chem.* 9: 95-105.

EcoReference No.: 104030

Chemical of Concern: CBF,PQT; Habitat: T; Effect Codes: BEH,MOR; Rejection Code: LITE EVAL CODED(CBF,PQT). [Not enough chemical specific information, as well as a different species]

Liong, P. C., Hamzah, W. P., and Murugan, V. (1988). Toxicity of Some Pesticides Towards Freshwater Fishes. *Fish.Bull.Dep.Fish.(Malays.)* 57: 13 p.

EcoReference No.: 3296

Chemical of Concern:

EFV,HXZ,GYPI,Maneb,MZB,PAQT,ES,MLN,PPX,CBL,DLD,HCCH,FNTH,CBF,ACP,CTN,GYP,TCF,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(GYP,CTN,Maneb,MZB,CBL,ACP,CBF,MLN,HXZ,ES,TCF,CBF,PQT),NO COC(EFV). [No control information, not enough chemical information]

Liou, H. H., Chen, R. C., Tsai, Y. F., Chen, W. P., Chang, Y. C., and Tsai, M. C. (1996). Effects of Paraquat on the Substantia Nigra of the Wistar Rats: Neurochemical, Histological, and Behavioral Studies. *Toxicol.Appl.Pharmacol.* 137: 34-41.

EcoReference No.: 104192

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,PHY,BEH; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Liu, D., Yang, J., Li, L., and McAdoo, D. J. (1995). Paraquat-a Superoxide Generator-Kills Neurons in the Rat Spinal Cord. *Free Radic.Biol.Med.* 18: 861-867.

EcoReference No.: 105435

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY,CEL,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Lock, E. A. (1979). The Effect of Paraquat and Diquat on Renal Function in the Rat. *Toxicol.Appl.Pharmacol.* 48: 327-336.

EcoReference No.: 106112

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,PHY; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

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

EcoReference No.: 65945

Chemical of Concern:

DFP,QZF,FNP,HFP,FZF,NSF,TN,EMSF,BP,ANL,PDM,BTC,MLT,AMTR,PMT,DU,PAQT,FXP,QNC,A TZ,SZ,MCPA,GYP,OXF,QZFE,PQT; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(QZFE,OXF,GYP,FNP,ATZ,MLT,SZ,QNC,DU,PDM,PMT,PQT). [Not enough chemical specific information provided]

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,MLT,BP,TN,EMSF,NSF,BTC,PAQT,AMTR,DU,ANL,MCPA,FXP,QNC,OXF, GYP,SZ,ATZ,PDM,PMT,PQT; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(OXF,GYP,FNP,ATZ,MLT,SZ,QNC,DU,PDM,PMT,PQT). [Not enough information about the controls, no specific chemical information provided]

Ma, J., Lin, F., Wang, S., and Xu, L. (2003). Toxicity of 21 Herbicides to the Green Alga *Scenedesmus quadricauda*. *Bull.Environ.Contam.Toxicol.* 71: 594-601.

EcoReference No.: 71458

Chemical of Concern:

GFS,CZE,AMTR,ACO,BTC,MTL,DU,BMN,GYP,PAQT,QNC,ATZ,SZ,FXP,MCPA,PMT,PQT; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(GFSNH,GYP,ATZ,MTL,SZ,QNC,DU,PMT,PQT). [Not enough information about the controls, no chemical specific information provided]

Ma, J., Xu, L., Wang, S., Zheng, R., Jin, S., Huang, S., and Huang, Y. (2002). Toxicity of 40 Herbicides to the Green Alga *Chlorella vulgaris*. *Ecotoxicol.Environ.Saf.* 51: 128-132.

EcoReference No.: 65938

Chemical of Concern:

DFP,QZF,HFP,FNP,FZF,CLT,NSF,TN,EMSF,BSFM,CRME,FTS,BP,ANL,TFN,PDM,BTC,MTL,MLT,A CO,ATZ,SZ,CZE,DU,PAQT,BMN,FXP,QNC,OXF,GYP,GFSNH,PMT,PQT; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(GFSNH,OXF,GYP,FNP,ATZ,MLT,MTL,SZ,QNC,FTS,CLT,DU,PDM,PMT,PQT). [No information about the controls, missing essential information needed to evaluate the quality of the study]

MacLeod, W. J., MacNish, G. C., and Thorn, C. W. (1993). Manipulation of Ley Pastures with Herbicides to Control Take-All. *Aust.J.Agric.Res.* 44: 1235-1244.

EcoReference No.: 92240

Chemical of Concern: PZM,PAQT,FZF; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(PZM,PAQT). [Endpoints not applicable for assessment]

Madge, D. S. (1982). Effects of the Bipyridilium Herbicides, Diquat and Paraquat, on In Vivo Hexose Absorption

and Fluid Transfer in Adult Mice. *Gen.Pharmacol.* 13: 139-145.

EcoReference No.: 105439

Chemical of Concern: PQT,DQTB; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(PQT,DQTB). [Exposure via injection, not applicable]

Maling, H. M., Saul, W., Williams, M. A., Brown, E. A. B., and Gillette, J. R. (1977). On the Mechanism of the Potentiation by beta Adrenergic Agonists of Paraquat Toxicity in Rats and Mice. *In: A.P.Autor (Ed.), Biochemical Mechanisms of Paraquat Toxicity, Academic Press, New York* 137-156.

EcoReference No.: 105168

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR,ACC; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Manning-Bog, A. B., McCormack, A. L., Li, J., Uversky, V. N., Fink, A. L., and Di Monte, D. A. (2002). The Herbicide Paraquat Causes Up-Regulation and Aggregation of alpha-Synuclein in Mice: Paraquat and alpha-Synuclein. *J.Biol.Chem.* 277: 1641-1644.

EcoReference No.: 104181

Chemical of Concern: PQT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Mansour, S. A. and Mohsen, E. R. (1985). Pesticides and Beneficial Organisms II. The Response of Two Fish Species to Certain Herbicides. *Pesticides* 19: 43-44.

EcoReference No.: 11531

Chemical of Concern: MLT,TFN,PAQT,PPN,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MLT,PPN,PQT). [Not more sensitive than submitted studies, not enough information regarding the chemical, controls or the experiment in general]

Mantecca, P., Panseri, S., Bacchetta, R., Vismara, C., Vailati, G., and Camatini, M. (2006). Histopathological Effects Induced by Paraquat During *Xenopus laevis* Primary Myogenesis. *Tissue Cell* 38: 209-217.

EcoReference No.: 107880

Chemical of Concern: PQT; Habitat: A; Effect Codes: GRO,CEL; Rejection Code: LITE EVAL CODED(PQT). [Test method used was not scientifically sound]

Martinez-Lara, E., Toribio, F., Lopez-Barea, J., and Barcena, J. A. (1996). Glutathione-S-Transferase Isoenzyme Patterns in the Gilthead Seabream (*Sparus aurata*) Exposed to Environmental Contaminants. *Comp.Biochem.Physiol.C* 113: 215-220.

EcoReference No.: 16853

Chemical of Concern: MLN,CuCl,DLD,PAQT,PQT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(CuCl,PQT),NO ENDPOINT(MLN). [No information regarding endpoint]

Martinez-Tabche, L., Madrigal-Bujaidar, E., and Negrete, T. (2004). Genotoxicity and Lipoperoxidation Produced by Paraquat and 2,4-Dichlorophenoxyacetic Acid in the Gills of Rainbow Trout (*Oncorhynchus mikiss*). *Bull.Environ.Contam.Toxicol.* 73: 146-152.

EcoReference No.: 104194

Chemical of Concern: PAQT,24D; Habitat: A; Effect Codes: CEL,BCM,PHY,BEH,MOR; Rejection Code: LITE EVAL CODED(PAQT,24D). [No control information, no information on the exposure]

Masaoka, T., Shirai, M., Takagi, H., Yamamoto, M., Arishima, K., and Akahori, F. (1994 ). Constrictive Effects of Paraquat on the Ductus Arteriosus in Fetal Rats. *J.Toxicol.Sci.* 19: 151-154.

EcoReference No.: 104736

Chemical of Concern: PQT; Habitat: T; Effect Codes: REP; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, subcutaneous, not applicable]

Matthews, R. S. (1995). *Artemia salina* as a Test Organism for Measuring Superoxide-Mediated Toxicity. *Free Radic.Biol.Med.* 18: 919-922.

EcoReference No.: 16746

Chemical of Concern: PQT,HOX; Habitat: A; Rejection Code: LITE EVAL CODED(PQT,HOX). [Not more sensitive than submitted studies]

McCormack, A. L. and Di Monte, D. A. (2003). Effects of L-Dopa and Other Amino Acids Against Paraquat-Induced Nigrostriatal Degeneration. *J.Neurochem.* 85: 82-86.

EcoReference No.: 104746

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

McElligott, T. F. (1972). The Dermal Toxicity of Paraquat: Differences due to Techniques of Application. *Toxicol.Appl.Pharmacol.* 21: 361-368.

EcoReference No.: 37877

Chemical of Concern: PQT; Habitat: T; Effect Codes: MOR,PHY; Rejection Code: LITE EVAL CODED(PQT). [Exposure via dermal application, no endpoint reported]

Melchiorri, D., Reiter, R. J., Sewerynek, E., Hara, M., Chen, L., and Nistico, G. (1996). Paraquat Toxicity and Oxidative Damage: Reduction by Melatonin. *Biochem.Pharmacol.* 51: 1095-1099.

EcoReference No.: 106617

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,MOR; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Metzger, J. A. and Pfeiffer, D. G. (2002). Topical Toxicity of Pesticides Used in Virginia Vineyards to the Predatory Mite, *Neoseiulus fallacis* (Garman). *J.Entomol.Sci.* 37: 329-337.

EcoReference No.: 73149

Chemical of Concern:

OXF,CBL,AZ,PSM,PRB,KRSM,DU,PZM,AZX,MZB,TEZ,TFZ,PQT,GFS,FRM,DCF,FBOX,CHX;

Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL

CODED(DU,PZM,GFS,FRM,PQT),TARGET(CBL,AZ,PSM,FBOX,PRB),OK(MZB,AZX). [Exposure via immersion, not applicable]

Meulener, M. C., Xu, K., Thomson, L., Ischiropoulos, H., and Bonini, N. M. (2006). Mutational Analysis of DJ-1 in *Drosophila* Implicates Functional Inactivation by Oxidative Damage and Aging. *Proc.Natl.Acad.Sci.* 103: 12517-12522.

EcoReference No.: 106117

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,BCM,MOR; Rejection Code: LITE EVAL CODED(PAQT). [Not enough information provided]

Michailides, T. J. and Spotts, R. A. (1991). Effects of Certain Herbicides on the Fate of Sporangiospores of *Mucor piriformis* and Conidia of *Botrytis cinerea* and *Penicillium expansum*. *Pestic.Sci.* 33: 11-22.

EcoReference No.: 91689

Chemical of Concern: PZM,NFZ,FZF,DBN,PAQT,24DXY,SZ,DU; Habitat: T; Effect Codes: REP,POP,MOR; Rejection Code: LITE EVAL CODED(PZM,24DXY,NFZ,DU,PAQT),OK(SZ).



[Endpoints not applicable for 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:

NPM,EPTC,CPH,CPP,ASM,GFSNH,CMZ,FDE,NFZ,ACF,PAQT,CSF,FZFPB,DFPM,DMB,DBN,ATZ,ACR,BT,PDM,GYPI; Habitat: A; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(ACR,ATZ,DMB,CMZ,GYPI,EPTC,GFSNH,PAQT,NFZ). [Not more sensitive than submitted studies]

Miller, R., Blanco, C. A., and Havelka, K. (2000). Late Season Control of Lepidoptera and Its Impact on the Activity of Defoliant. *In: Proc.Beltwide Cotton Conf.* 2: 1184-1185.

EcoReference No.: 82563

Chemical of Concern: MFZ,TDZ,PQT; Habitat: T; Effect Codes: PHY,GRO; Rejection Code: LITE EVAL CODED(MFZ,PQT). [Endpoints not applicable for assessment]

Minakata, K., Nozawa, H., Watanabe-Suzuki, K., and Suzuki, O. (2003). The Restriction of all Minerals in the Diet Enhancing Paraquat Toxicity is Regarded Primarily as the Shortage of Mg. *Legal Med.* 5: S110-S112.

EcoReference No.: 105063

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies reviewed by HED]

Minakata, K., Suzuki, O., Oh-ishi, S., Hayashi, I., Saito, S. I., and Harada, N. (1995 ). Acute-Phase Reactant Proteins and Antioxidants in Rats Intoxicated Chronically with Paraquat. *J.Toxicol.Environ.Health* 44: 29-41.

EcoReference No.: 104745

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY,BCM,BEH; Rejection Code: LITE EVAL CODED(PAQT). [Not more sensitive than submitted studies reviewed by HED]

Minakata, K., Suzuki, O., Saito, S., and Harada, N. (1996). Effect of Dietary Paraquat on a Rat Mutant Unable to Synthesize Ascorbic Acid. *Arch.Toxicol.* 70: 256-258.

EcoReference No.: 106630

Chemical of Concern: PQT; Habitat: T; Effect Codes: GRO,PHY,BEH,BCM,ACC; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies reviewed by HED]

Minakata, K., Suzuki, O., Saito, S., Kawai, K., and Horio, F. (2002). Effects of Paraquat on Essential Antioxidant Elements in Osteogenic Disorder Shionogi Rat. *J.Toxicol.Environ.Health Part A* 65: 143-147.

EcoReference No.: 106639

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,GRO,ACC; Rejection Code: LITE EVAL CODED(PAQT). [Not more sensitive than submitted studies reviewed by HED]

Minakata, K., Suzuki, O., Saito, S. I., and Harada, N. (1993). Ascorbate Radical Levels in Human Sera and Rat Plasma Intoxicated with Paraquat and Diquat. *Arch.Toxicol.* 67: 126-130.

EcoReference No.: 106631

Chemical of Concern: PQT; Habitat: T; Effect Codes: GRO,BCM,ACC; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies reviewed by HED]

Miranda-Contreras, L., Davila-Ovalles, R., Benitez-Diaz, P., Pena-Contreras, Z., and Palacios-Pru, E. (2005). Effects of Prenatal Paraquat and Mancozeb Exposure on Amino Acid Synaptic Transmission in Developing Mouse Cerebellar Cortex. *Dev.Brain Res.* 160: 19-27.

EcoReference No.: 90298

Chemical of Concern: PAQT,MZB; Habitat: T; Effect Codes: GRO,BCM,BEH; Rejection Code: LITE EVAL CODED(MZB,PAQT). [Exposure via injection, not applicable]

Miyoshi, N., Kawano, T., Tanaka, M., Kadono, T., Kosaka, T., Kunimoto, M., Takahashi, T., and Hosoya, H. (2003). Use of Paramecium Species in Bioassays for Environmental Risk Management: Determination of IC50 Values for Water Pollutants. *J.Health Sci.* 49: 429-435.

EcoReference No.: 82825

Chemical of Concern: IGS,K2Cr2O7,Maneb,NiCl,CdCl,24D,TBC,PAQT,HCCH,MLN; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(IGS,K2Cr2O7,Maneb,NiCl,CdCl,24D,TBC,PAQT,HCCH,MLN). [Not more sensitive than submitted studies]

Mohamed, A. I., Nair, G. A., Kassem, H. H., and Nuruzzaman, M. (1995). Impacts of Pesticides on the Survival and Body Mass of the Earthworm *Aporrectodea caliginosa* (Annelida: Oligochaeta). *Acta Zool.Fenn.* 196: 344-347.

EcoReference No.: 40226

Chemical of Concern: MOM,PAQT,GYP,FNTH; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(GYP,PAQT),OK(MOM). [Exposure via direct application, not applicable]

Mollace, V., Iannone, M., Muscoli, C., Palma, E., Granato, T., Rispoli, V., Nistico, R., Rotiroti, D., and Salvemini, D. (2003). The Role of Oxidative Stress in Paraquat-Induced Neurotoxicity in Rats: Protection by Non Peptidyl Superoxide Dismutase Mimetic. *Neurosci.Lett.* 335: 163-166.

EcoReference No.: 104697

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,PHY,BEH; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Montgomery, M. R., Casey, P. J., Valls, A. A., Cosio, M. G., and Niewoehner, D. E. (1979). Biochemical and Morphological Correlation of Oxidant-Induced Pulmonary Injury: Low Dose Exposure to Paraquat, Oxygen, and Ozone. *Arch.Environ.Health* 34: 396-401.

EcoReference No.: 106628

Chemical of Concern: PQT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Montgomery, M. R., Teuscher, F., LaSota, I., and Niewoehner, D. E. (1986). Severe Acute Oxidant Exposure: Morphological Damage and Aerobic Metabolism in the Lung. *J.Environ.Pathol.Toxicol.Oncol.* 7: 169-180.

EcoReference No.: 104698

Chemical of Concern: PQT; Habitat: T; Effect Codes: PHY,CEL; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Moore, M. N., Viarengo, A., Donkin, P., and Hawkins, A. J. S. (2007). Autophagic and Lysosomal Reactions to Stress in the Hepatopancreas of Blue Mussels. *Aquat.Toxicol.* 84: 80-91.

EcoReference No.: 104700

Chemical of Concern: CuN2,PAQT; Habitat: A; Effect Codes: CEL; Rejection Code: LITE EVAL CODED(PAQT). [Not more sensitive than submitted studies]

Moore, M. T., Huggett, D. B., Huddleston III, G. M., Rodgers, J. H. Jr., and Cooper, C. M. (1999). Herbicide Effects on *Typha latifolia* (Linneaus) Germination and Root and Shoot Development. *Chemosphere* 38: 3637-3647.

EcoReference No.: 52348

Chemical of Concern: ATZ,PQT; Habitat: A; Effect Codes: GRO,REP; Rejection Code: LITE EVAL CODED(PQT,ATZ). [Not more sensitive than submitted studies]

Morton, H. L., Moffett, J. O., and Martin, R. D. (1974). Influence of Water Treated Artificially with Herbicides on Honey Bee Colonies. *Environ.Entomol.* 3: 808-811.

EcoReference No.: 35363

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR,ACC,REP; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via capsule, not applicable]

Murray, R. E. and Gibson, J. E. (1972). A Comparative Study of Paraquat Intoxication in Rats, Guinea Pigs and Monkeys. *Exp.Mol.Pathol.* 17: 317-325.

EcoReference No.: 38077

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR,CEL,BEH,PHY; Rejection Code: LITE EVAL CODED(PAQT). [Not enough control information, the rat study is not more sensitive than the submitted studies reviewed by HED]

Mustafa, A., Gado, A. M., Al-Shabanah, O. A., and Al-Bekairi, A. M. (2002). Protective Effect of Aminoguanidine Against Paraquat-Induced Oxidative Stress in the Lung of Mice. *Comp.Biochem.Physiol.C* 132: 391-397.

EcoReference No.: 93715

Chemical of Concern: PAQT; Habitat: T; Effect Codes: GRO,MOR,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Nagano, N., Yagi, M., and Nishikori, K. (1992). Protective Effects of Antioxidants on Paraquat-Induced Acute Renal Failure in Mice. *Jpn.J.Pharmacol.* 59: 481-483.

EcoReference No.: 105055

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, noat applicable]

Naqvi, S. M., Leung, T. S., and Naqvi, N. Z. (1980). Toxicities of Paraquat and Diquat Herbicides to Freshwater Copepods (*Diaptomus* sp. and *Eucyclops* sp.). *Bull.Environ.Contam.Toxicol.* 25: 918-920.

EcoReference No.: 5329

Chemical of Concern: PQT; Habitat: A; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Naqvi, S. M., Leung, T. S., and Naqvi, N. Z. (1981). Toxicities of Paraquat and Metribuzin (Sencor) Herbicides to the Freshwater Copepods, *Eucyclops agilis* and *Diaptomus mississippiensis*. *Environ.Pollut.Ser.A* 26: 275-280.

EcoReference No.: 13340

Chemical of Concern: PAQT,MBZ; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PAQT). [Not more sensitive than submitted studies]

Nemcsok, J. and Benedeczky, I. (1995). Pesticide Metabolism and the Adverse Effects of Metabolites on Fishes. In: *P.W.Hochachka and T.P.Mommsen (Eds.), Biochemistry and Molecular Biology of Fishes, Chapter 16, Elsevier Sci.Publ., Amsterdam, Netherlands* 5: 313-348.

EcoReference No.: 71337

Chemical of Concern: PAQT,CuS,MDT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT,CuS,MDT). [Not enough information]

Nemery, B., Vanlommel, S., Verbeken, E. K., Lauweryns, J. M., and Demedts, M. (1992). Lung Injury Induced by Paraquat, Hyperoxia and Cobalt Chloride: Effects of Ambroxol. *Pulm.Pharmacol.* 5: 53-60.

EcoReference No.: 105170

Chemical of Concern: PQT,CoCl,NaCl; Habitat: T; Effect Codes: GRO,CEL,BCM; Rejection Code: LITE EVAL CODED(PQT),NO EFFECT(NaCl). [Exposure via injection, not applicable]

Nerlich, A. G., Nerlich, M. L., Langer, I., and Demling, R. H. (1984). Release of Amino-Terminal Procollagen Peptides in Paraquat-Induced Acute Pulmonary Fibrosis. *Exp.Mol.Pathol.* 40: 311-319.

EcoReference No.: 106682

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,GRO,MOR; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Newman, J. F. and Way, J. M. (1966). Some Ecological Observations on the Use of Paraquat and Diquat as Aquatic Herbicides. *Proc.8th Br.Weed Control Conf.*: 582-585.

EcoReference No.: 14769

Chemical of Concern: PAQT; Habitat: A; Effect Codes: POP,ACC; Rejection Code: LITE EVAL CODED(PAQT). [Not enough information provided, ednpoints not applicable to be used in assessmnet]

Nishiuchi, Y. (1980). Toxicity of Formulated Pesticides to Fresh Water Organisms. LXXIV. *The Aquiculture /Suisan Zoshoku* 28: 107-112 (JPN).

EcoReference No.: 6594

Chemical of Concern: 24DXY,ACR,DBN,PQT,Captan; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(24DXY,Captan,ACR,PQT). [Not in English]

Noguchi, N., Yamamoto, H. A., and Misawa, S. (1993). Effects of Paraquat on Mg<sup>2+</sup> ATPase Activity in Rat Liver. *Arch.Environ.Contam.Toxicol.* 24: 483-486.

EcoReference No.: 106627

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Nwabisi, V. C. and Nwanze, E. A. C. (1997). Biochemical Studies on the Toxicity of 1,1'-Dimethyl-4,4'-bipyridylium Dichloride in the Rat. *Comp.Biochem.Physiol.C* 117: 103-109.

EcoReference No.: 93451

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Ogata, T. and Manabe, S. ( 1990). Correlation Between Lipid Peroxidation and Morphological Manifestation of Paraquat-Induced Lung Injury in Rats. *Arch.Toxicol.* 64: 7-13.

EcoReference No.: 106625

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Okafor, F. C. and Ighinosa, I. B. (1988). Environmental Stress and Parasitic Infections: II. Effects of Gramoxone and Hexadrin (Pesticides) on the Survival Characteristics of *Fasciola gigantica* Miracidia. *Angew.Parasitol.* 29: 221-225.

EcoReference No.: 104716

Chemical of Concern: PQT; Habitat: AT; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PQT). [Formulation of paraquat used that is not a current registered use in the U.S.]

Osano, O., Oladimeji, A. A., Kraak, M. H. S., and Admiraal, W. (2002). Teratogenic Effects of Amitraz, 2,4-Dimethylaniline, and Paraquat on Developing Frog (*Xenopus*) Embryos. *Arch.Environ.Contam.Toxicol.* 43: 42-49.

EcoReference No.: 65872

Chemical of Concern: PAQT,AMZ; Habitat: A; Effect Codes: GRO,MOR; Rejection Code: LITE EVAL CODED(PAQT,AMZ). [Fatal flaws with the experiment, test method used was not scientifically sound, dimethyl sulfoxide was used as a solvent]

Osman, A. M. and Van Noort, P. C. M. (2004). Activation of Paraquat in the Earthworm *Allolobophora chlorotica* is Mediated by NAD(P)H-Cytochrome C Reductase Activities. *Pestic.Biochem.Physiol.* 79: 101-110.

EcoReference No.: 104703

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via immersion, not applicable]

Ossowska, K., Wardas, J., Smialowska, M., Kuter, K., Lenda, T., Wieronska, J. M., Zieba, B., Nowak, P., Dabrowska, J., Bortel, A., Kwiecinski, A., and Wolfarth, S. (2005). A Slowly Developing Dysfunction of Dopaminergic Nigrostriatal Neurons Induced by Long-Term Paraquat Administration in Rats: An Animal Model of Preclinical Stages of Parkinson's Disease? *Eur.J.Neurosci.* 22: 1294-1304.

EcoReference No.: 104796

Chemical of Concern: PQT; Habitat: T; Effect Codes: PHY,CEL,BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Osunlaja, S. O. (1990). Tillage Effects on the Incidence and Severity of Root and Stalk Rot of Maize Caused by *Fusarium moniliforme* and *Macrophomina phaseolina* in South-Western Nigeria. *J.Phytopathol.* 130: 312-316.

EcoReference No.: 107469

Chemical of Concern: PAQT; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(PAQT). [Endpoints not applicable for assessment]

Pan, T., Nielsen, L. D., Allen, M. J., Shannon, K. M., Shannon, J. M., Selman, M., and Mason, R. J. (2002). Serum SP-D is a Marker of Lung Injury in Rats. *Am.J.Physiol.Lung Cell Mol.Physiol.* 282: L824-L832.

EcoReference No.: 106783

Chemical of Concern: PAQT,HCL; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT),NO CONC(HCL). [Exposure via injection, not applicable]

Papini, S., Langenbach, T., Luchini, L. C., and De Andrea, M. M. (2006). Influence of Substrate on Bioaccumulation of <sup>14</sup>C-Paraquat in Compost Worms *Eisenia foetida*. *J.Environ.Sci.Health Part B* 41: 523-530.

EcoReference No.: 104638

Chemical of Concern: PQT; Habitat: T; Effect Codes: ACC; Rejection Code: LITE EVAL CODED(PQT). [Endpoint is for the amount of time to reach effect level, not applicable]

Park, E. K. and Lees, E. M. (2005). Application of an Artificial Sea Salt Solution to Determine Acute Toxicity of Herbicides to *Proisotoma minuta* (Collembola). *J.Environ.Sci.Health Part B* 40: 595-604.

EcoReference No.: 81754

Chemical of Concern: TFN,PDM,MTL,SZ,PMT,PAQT,FMU,DU,ATZ; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MTL,SZ,ATZ,DU,PAQT,PMT,TFN,PDM). ). [Not more sensitive than submitted studies]

Park, S. Y. and Choi, J. ( 2007). Cytotoxicity, Genotoxicity and Ecotoxicity Assay Using Human Cell and Environmental Species for the Screening of the Risk from Pollutant Exposure. *Environ.Int.* 33: 817-822.

EcoReference No.: 95949

Chemical of Concern: PHTH,NYP,PQT; Habitat: A; Effect Codes: MOR,PHY,CEL; Rejection Code: LITE EVAL CODED(PQT). [Not enough chemical information provided]

Parvez, S. and Raisuddin, S. (2006). Effects of Paraquat on the Freshwater Fish *Channa punctata* (Bloch): Non-Enzymatic Antioxidants as Biomarkers of Exposure. *Arch.Environ.Contam.Toxicol.* 50: 392-397.

EcoReference No.: 96298

Chemical of Concern: PAQT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [No specific chemical information]

Parvez, S. and Raisuddin, S. (2006). Preexposure to Copper Modulates Nonenzymatic Antioxidants in Liver of *Channa punctata* (Bloch) Exposed to the Herbicide Paraquat. *Bull.Environ.Contam.Toxicol.* 76: 545-551.

EcoReference No.: 104750

Chemical of Concern: CuCl,PAQT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT,CuCl). [No specific chemical information]

Parvez, S. and Raisuddin, S. (2005). Protein Carbonyls: Novel Biomarkers of Exposure to Oxidative Stress-Inducing Pesticides in Freshwater Fish *Channa punctata* (Bloch). *Environ.Toxicol.Pharmacol.* 20: 112-117.

EcoReference No.: 104744

Chemical of Concern: DM,ES,PAQT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(ES,PAQT),OK(DM). [Not enough information]

Patel, S., Singh, V., Kumar, A., Gupta, Y. K., and Singh, M. P. (2006). Status of Antioxidant Defense System and Expression of Toxicant Responsive Genes in Striatum of Maneb- and Paraquat-Induced Parkinson's Disease Phenotype in Mouse: Mechanism of Neurodegeneration. *Brain Res.* 1081 : 9-18.

EcoReference No.: 90324

Chemical of Concern: Maneb,PAQT; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: LITE EVAL CODED(Maneb,PAQT). [Exposure via injection, not applicable]

Patnaik, S. and Rout, M. ( 1986). Toxicity of Some Herbicides to Fishes. *J.Inl.Fish.Soc.India* 18: 48-51.

EcoReference No.: 70658

Chemical of Concern: SZ,PAQT,24DXY,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(24DXY,SZ,PQT). [Formulation of paraquat used that is not a current registered use in the U.S.]

Patterson, C. E. and Rhodes, M. L. (1982). The Effect of Superoxide Dismutase on Paraquat Mortality in Mice and Rats. *Toxicol.Appl.Pharmacol.* 62: 65-72.

EcoReference No.: 38263

Chemical of Concern: PQT; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Pedrajas, J. R., Peinado, J., and Lopez-Barea, J. (1995). Oxidative Stress in Fish Exposed to Model Xenobiotics. Oxidatively Modified Forms of Cu,Zn-Superoxide Dismutase as Potential Biomarkers. *Chem.-Biol.Interact.* 98: 267-282.

EcoReference No.: 17473

Chemical of Concern: MLN,CuCl,PQT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(CuCl,PQT),NO ENDPOINT(MLN). [No information regarding endpoint]

Perry, T. L., Yong, V. W., Wall, R. A., and Jones, K. (1986). Paraquat and Two Endogenous Analogues of the Neurotoxic Substance N-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine do not Damage Dopaminergic Nigrostriatal Neurons in the Mouse. *Neurosci.Lett.* 69: 285-289.

EcoReference No.: 105036

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Petrovic, V. M. and Janic-Sibalic, V. (1987). Effect of Paraquat on Phenylethanolamine-N-Methyl Transferase and Monoamine Oxidase in the Rat Tissues. *Bull.Acad.Serbe Sci.Arts Cl.Sci.Math.Nat.Sci.Nat.* 27: 21-30.

EcoReference No.: 105062

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,GRO; Rejection Code: LITE EVAL CODED(PQT). [Exposure via drinking water, not applicable]

Petushok, N., Gabryelak, T., Palecz, D., Zavodnik, L., Szollosi Varga, I., and Deer, K. A. (2002). Comparative Study of the Xenobiotic Metabolising System in the Digestive Gland of the Bivalve Molluscs in Different Aquatic Ecosystems and in Aquaria Experiments. *Aquat.Toxicol.* 61: 65-72.

EcoReference No.: 65730

Chemical of Concern: PAQT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Not enough chemical information provided]

Piotrowski, W. J., Pietras, T., Kurmanowska, Z., Nowak, D., Marczak, J., Marks-Konczalik, J., and Mazerant, P. (1996). Effect of Paraquat Intoxication and Ambroxol Treatment on Hydrogen Peroxide Production and Lipid Peroxidation in Selected Organs of Rat. *J.Appl.Toxicol.* 16: 501-507.

EcoReference No.: 104751

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: LITE EVAL CODED(PAQT),NO COC (HOX). [Exposure via injection, not applicable]

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: DU,ATZ,PAQT,SZ; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(ATZ,SZ,DU,PAQT). [Not more sensitive than submitted studies]

Prado, R., Garcia, R., Rioboo, C., Herrero, C., Abalde, J., and Cid, A. (2008). Comparison of the Sensitivity of Different Toxicity Test Endpoints in a Microalga Exposed to the Herbicide Paraquat. *Environ.Int.* PRESS: 8 p.

EcoReference No.: 104749

Chemical of Concern: PQT; Habitat: A; Effect Codes: GRO,PHY,MOR; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Prasad, K., Winnik, B., Thiruchelvam, M. J., Buckley, B., Mirochnitchenko, O., and Richfield, E. K. (2007). Prolonged Toxicokinetics and Toxicodynamics of Paraquat in Mouse Brain. *Environ.Health Perspect.* 115:

1448-1453.

EcoReference No.: 96621

Chemical of Concern: PAQT; Habitat: T; Effect Codes: ACC,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Purisai, M. G., McCormack, A. L., Cumine, S., Li, J., Isla, M. Z., and Di Monte, D. A. (2007). Microglial Activation as a Priming Event Leading to Paraquat-Induced Dopaminergic Cell Degeneration. *Neurobiol.Dis.* 25: 392-400.

EcoReference No.: 106794

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Raja, M., Al-Fatah, A., Ali, M., Afzal, M., Hassan, R. A. H., Menon, M., and Dhami, M. S. I. (1992). Modification of Liver and Serum Enzymes by Paraquat Treatment in Rabbits. *Drug Metab.Drug Interact.* 10: 279-291.

EcoReference No.: 105169

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,MOR; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Ray, S., Sengupta, A., and Ray, A. (2007). Effects of Paraquat on Anti-Oxidant System in Rats. *Indian J.Exp.Biol.* 45: 432-438.

EcoReference No.: 105454

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Reeves, R., Thiruchelvam, M., Baggs, R. B., and Cory-Slechta, D. A. (2003). Interactions of Paraquat and Triadimefon: Behavioral and Neurochemical Effects. *Neurotoxicology* 24: 839-850.

EcoReference No.: 77537

Chemical of Concern: TDF,PAQT; Habitat: T; Effect Codes: BCM,BEH,PHY; Rejection Code: LITE EVAL CODED(TDF,PAQT). [Exposure via injection]

Riley, D., Wilkinson, W., and Tucker, B. V. (1976). Biological Unavailability of Bound Paraquat Residues in Soil. *ACS Symp.Ser.* 29: 301-353.

EcoReference No.: 104737

Chemical of Concern: PQT,CaCl<sub>2</sub>; Habitat: T; Effect Codes: GRO,ACC,POP; Rejection Code: LITE EVAL CODED(PQT),TARGET(CaCl<sub>2</sub>). [Not enough information, not more sensitive than submitted studies]

Rioboo, C., Franqueira, D., Canle, M. L., Herrero, C., and Cid, A. (2001). Microalgal Bioassays as a Test of Pesticide Photodegradation Efficiency in Water. *Bull.EnvIRON.Contam.Toxicol.* 67: 233-238.

EcoReference No.: 60872

Chemical of Concern: PQT; Habitat: A; Effect Codes: POP,BCM; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Roberson, T., Bundy, L. G., and Andraski, T. W. (2007). Freezing and Drying Effects on Potential Plant Contributions to Phosphorus in Runoff. *J.Environ.Qual.* 36: 532-539.

EcoReference No.: 104468

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Endpoints not applicable for assessment]



Roberts, B. L. and Dorough, H. W. (1984). Relative Toxicities of Chemicals to the Earthworm *Eisenia foetida*. *Environ.Toxicol.Chem.* 3: 67-78.

EcoReference No.: 40531

Chemical of Concern:

DU,FNV,ES,FNF,FML,NCTN,CBD,MLN,PRN,Captan,TPM,PPB,DCTP,ACP,BMY,MBZ,PAQT,BNZ,C  
H3I,TFN,NaNO2,AZ,24DXY,NP,Cd,Pb,CuS,DDT,PAH,IDM,DMM,CYP,PMR,CBF,ADC,MOM,CBL,PP  
X,CPY,NHN,CTC,PQT,NaCl; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL  
CODED(PMR,24DXY,FNV,CPY,Captan,MLN,ADC,CBL,NCTN,CBF,MOM,PPB,CuS,CYP,DCTP,DU,  
ACP,ES,BMY,CBD,PQT,NaCl). [Exposure via direct application, not applicable]

Rock, G. C. and Yeargan, D. R. (1973). Toxicity of Apple Orchard Herbicides and Growth-Regulating Chemicals to *Neoseiulus fallacis* and Twospotted Spider Mite. *J.Econ.Entomol.* 66: 1342-1343.

EcoReference No.: 71217

Chemical of Concern: TRB,DU,PAQT,EPH,DMDP,SZ; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(SZ,DU,PAQT),TARGET(DMDP). [Exposure via soaking or dipping, not applicable]

Rodriguez-Ariza, A., Alhama, J., Diaz-Mendez, F. M., and Lopez-Barea, J. (1999). Content of 8-oxodG in Chromosomal DNA of *Sparus aurata* Fish as Biomarker of Oxidative Stress and Environmental Pollution. *Mutat.Res.* 438: 97-107.

EcoReference No.: 60863

Chemical of Concern: DLD,MLN,Cu,PAQT; Habitat: A; Effect Codes: BCM,CEL; Rejection Code: LITE EVAL CODED(MLN,PAQT),OK(DLD,Cu). [No specific chemical information]

Ross, C., Santiago-Vazquez, L., and Paul, V. (2006). Toxin Release in Response to Oxidative Stress and Programmed Cell Death in the Cyanobacterium *Microcystis aeruginosa*. *Aquat.Toxicol.* 78: 66-73.

EcoReference No.: 106624

Chemical of Concern: PAQT,HOX; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT),NO ENDPOINT(HOX). [Endpoints not applicable to be used in assessment]

Ross, J. H. (1979). Structure-Activity Relationships in the Toxicology of 4,4'-Bipyridylum Salts in the Rat (*Rattus norvegicus*) and the Duckweed (*Spirodela oligorrhiza*). *Ph.D.Thesis, University of California,Davis,CA* 179 p. (Publ in Part As 15053).

EcoReference No.: 7238

Chemical of Concern: PAQT,PQT; Habitat: AT; Effect Codes: PHY,GRO,MOR,POP; Rejection Code: LITE EVAL CODED(PAQT,PQT). [Exposure via injection, subcutaneous, not applicable]

Ross, J. H. and Krieger, R. I. (1979). Toxicity of 1,1'-Alkyl-4,4'-Bipyridylum Salts in the Rat. *Drug Chem.Toxicol.* 2: 207-222.

EcoReference No.: 105453

Chemical of Concern: PQT; Habitat: T; Effect Codes: MOR,GRO,PHY; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Rossini, G. D. B. and Ronco, A. E. (1996). Acute Toxicity Bioassay Using *Daphnia obtusa* as a Test Organism. *Environ.Toxicol.Water Qual.* 11: 255-258.

EcoReference No.: 20191

Chemical of Concern: MOL,ETHN,CBL,PL,PAQT,Cd,Hg,Mn,Cr,Cu,PQT; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(CBL,Cu,PQT),OK(MOL,ETHN,PL,PAQT,Cd,Hg,Mn,Cr). [Not more sensitive than submitted studies]

Saenz, M. E., Accorinti, J., and Tortorelli, M. C. (1993). Toxicity of Paraquat to a Green Algae *Scenedesmus acutus*. *J.Environ.Sci.Health* B28: 193-204.

EcoReference No.: 16266

Chemical of Concern: PQT; Habitat: A; Effect Codes: POP,BCM; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Saenz, M. E., Alberdi, J. L., Di Marzio, W. D., Accorinti, J., and Tortorelli, M. C. (1997). Paraquat Toxicity to Different Green Algae. *Bull.Environ.Contam.Toxicol.* 58: 922-928.

EcoReference No.: 17985

Chemical of Concern: PQT; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Saenz, M. E., Di Marzio, W. D., Alberdi, J. L., and Tortorelli, M. C. (2001). Algal Growth Recovery Studies After Paraquat Exposure. *Bull.Environ.Contam.Toxicol.* 66: 263-268.

EcoReference No.: 60973

Chemical of Concern: PQT; Habitat: A; Effect Codes: POP,SYS; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies]

Salinas, L. S., Maldonado, E., and Navarro, R. E. (2006). Stress-Induced Germ Cell Apoptosis by a p53 Independent Pathway in *Caenorhabditis elegans*. *Cell Death Differ.* 13: 2129-2139.

EcoReference No.: 106681

Chemical of Concern: PAQT,NaCl; Habitat: T; Effect Codes: CEL,REP; Rejection Code: LITE EVAL CODED(PAQT,NaCl). [Exposure via culture medium, not enough information provided]

Salmon, A. B., Marx, D. B., and Harshman, L. G. (2001). A Cost of Reproduction in *Drosophila melanogaster*: Stress Susceptibility. *Evolution* 55: 1600-1608.

EcoReference No.: 104762

Chemical of Concern: MTPN,PAQT; Habitat: T; Effect Codes: MOR,REP; Rejection Code: LITE EVAL CODED(PAQT),OK(MTPN). [Exposure via direct application, not applicable]

Samayawardhana, L. A., Jayatunga, Y. N. A., and Ratnasooriya, W. D. (1995). Antigestational Effects of Paraquat in Rats. *Med.Sci.Res.* 23: 27-29.

EcoReference No.: 104747

Chemical of Concern: PQT; Habitat: T; Effect Codes: PHY,BEH,MOR,GRO,REP; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive than submitted studies reviewed by HED]

Sanders, H. O. (1970). Pesticide Toxicities to Tadpoles of the Western Chorus Frog *Pseudacris triseriata* and Fowler's Toad *Bufo woodhousii fowleri*. *Copeia* 2: 246-251 (Author Communication Used) (Publ in Part As 6797).

EcoReference No.: 2891

Chemical of Concern:

TFN,EDT,MLT,TXP,PAQT,24DXY,AND,MUN,Naled,HPT,AZ,HCCH,DLD,PRN,EN,DDT,MXC,PPB,PQT; Habitat: A; Effect Codes: PHY,BEH,MOR; Rejection Code: LITE EVAL CODED(24DXY,TBF,MLT,PPB,MLN,AZ,Naled,PQT). [Not more sensitive than submitted studies]

Sato, M. and Sasaki, M. (1991). Enhanced Lipid Peroxidation is not Necessary for Induction of Metallothionein-I by Oxidative Stress. *Chem.Biol.Interact.* 78: 143-154 .

EcoReference No.: 85845

Chemical of Concern: PAQT,CTC; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, subcutaneous, not applicable]

Sato, M., Sasaki, M., and Hojo, H. (1995). Antioxidative Roles of Metallothionein and Manganese Superoxide Dismutase Induced by Tumor Necrosis Factor-alpha and Interleukin-6. *Arch.Biochem.Biophys.* 316: 738-744.

EcoReference No.: 106622

Chemical of Concern: CTC,PAQT; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Satoh, M., Naganuma, A., and Imura, N. (1992). Effect of Preinduction of Metallothionein on Paraquat Toxicity in Mice. *Arch.Toxicol.* 66: 145-148.

EcoReference No.: 106621

Chemical of Concern: ZnCl<sub>2</sub>,CuS,CoCl<sub>2</sub>,CdCl<sub>2</sub>,HgCl<sub>2</sub>,PAQT; Habitat: T; Effect Codes: BCM,MOR; Rejection Code: LITE EVAL CODED(PAQT,ZnCl<sub>2</sub>,CuS). [Exposure via injection, not applicable]

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:

PAQT,ACF,ATZ,DU,FMU,NFZ,IMQ,DFP,HFP,CLT,BMN,DBN,DFQ,EDT,FDE,GYP,SMU,IXB,SXD; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(ATZ,SXD,DU,GYP,NFZ,IXB,CLT,PAQT,DFQ,FDE). ). [Endpoints not applicable to be used in assessment]

Schrader, K. K., De Regt, M. Q., Tucker, C. S., and Duke, S. O. (1997). A Rapid Bioassay for Selective Algicides. *Weed Technol.* 11: 767-774.

EcoReference No.: 69995

Chemical of Concern: EDT,ATZ,DU,PAQT,FDE,PQT; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PQT),OK(PAQT),NO ENDPOINT(ATZ,DU,FDE). [Endpoints not applicable to be used in assessment]

Schuytema, G. S., Nebeker, A. V., and Griffis, W. L. (1994). Effects of Dietary Exposure to Forest Pesticides on the Brown Garden Snail *Helix aspersa* Muller. *Arch.Environ.Contam.Toxicol.* 26: 23-28.

EcoReference No.: 54011

Chemical of Concern: ACP,ATZ,GYP,HXZ,PCL,CBL,FNT,MP,PAQT,TCF,AZ; Habitat: T; Effect Codes: GRO,BEH,ACC,MOR; Rejection Code: LITE EVAL CODED(ACP,CBL,AZ,MP,HXZ,GYP,TCF,ATZ,FNT,PAQT),OK(PCL). [Not enough information]

Selypes, A., Nagymajtenyi, L., and Berencsi, G. (1980). Mutagenic and Embryotoxic Effects of Paraquat and Diquat. *Bull.Environ.Contam.Toxicol.* 25: 513-517.

EcoReference No.: 104790

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,GRO,MOR; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Sharma, U., Adey, E. A., and Pfender, W. F. (1989). Effect of Glyphosate Herbicide on Pseudothecia Formation by *Pyrenophora tritici-repentis* in Infested Wheat Straw. *Plant Dis.* 73: 647-650.

EcoReference No.: 97140

Chemical of Concern: BMN,GYPI,24D,PAQT; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(GYPI,24D,PAQT). [Exposure via soaking or dipping, not applicable]

Sharp, C. W., Ottolenghi, A., and Posner, H. S. (1972). Correlation of Paraquat Toxicity with Tissue Concentrations and Weight Loss of the Rat. *Toxicol.Appl.Pharmacol.* 22: 241-251.

EcoReference No.: 38733

Chemical of Concern: PQT,DQTBr; Habitat: T; Effect Codes: ACC,GRO,MOR; Rejection Code: LITE EVAL CODED(PQT),NO ENDPOINT(DQTBr). [Exposure via injection, not applicable]

Shibamoto, T. and Kobayashi, T. (1986). Acute Effect of Paraquat on Lung Fluid Balance and Prostanoid Production in Awake Sheep. *Am.Rev.Respir.Dis.* 134: 1252-1257.

EcoReference No.: 107470

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY,BCM,CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Shibata, K. and Iwai, K. ( 1988). Effect of Dietary Paraquat on the Enzyme Activities Involved in Tryptophan-Niacin Metabolism in Rats. *Agric.Biol.Chem.* 52: 1857-1858.

EcoReference No.: 106618

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Not enough information provided]

Shimada, H., Furuno, H., Hirai, K. I., Koyama, J., Ariyama, J., and Simamura, E. (2002 ). Paraquat Detoxicative System in the Mouse Liver Postmitochondrial Fraction. *Arch.Biochem.Biophys.* 402: 149-157.

EcoReference No.: 106632

Chemical of Concern: PQT; Habitat: T; Effect Codes: MOR,CEL,BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Shimizu, K., Matsubara, K., Ohtaki, K., Fujimaru, S., Saito, O., and Shiono, H. (2003). Paraquat Induces Long-Lasting Dopamine Overflow Through the Excitotoxic Pathway in the Striatum of Freely Moving Rats. *Brain Res.* 976: 243-252.

EcoReference No.: 106633

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Shopova, V. L., Dancheva, V. Y., Salovsky, P. T., Stoyanova, A. M., and Lukanov, T. H. (2007). Protective Effect of U-74389G on Paraquat Induced Pneumotoxicity in Rats. *Environ.Toxicol.Pharmacol.* 24: 167-173.

EcoReference No.: 104791

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,CEL,PHY; Rejection Code: LITE EVAL CODED(PQT). [Not more sensitive then submitted studies reviewed by HED]

Shrivastava, D. K. (2002). Mutagenicity of Herbicide Paraquat Dichloride in a N<sub>2</sub>-Fixing Cyanobacterium. *Nat.Environ.Pollut.Technol.* 1: 43-47.

EcoReference No.: 105061

Chemical of Concern: PQT; Habitat: A; Effect Codes: CEL,MOR,POP; Rejection Code: LITE EVAL CODED(PQT). [Endpoints not applicable to be used in assessment, Not more sensitive than submitted studies]

Singh, H. P. (1991). Effect of Different Herbicides on Sugar and Starch Contents of Aquatic Weeds. *Proc.Natl.Acad.Sci.India Sect.B* 61: 214-220.

EcoReference No.: 105176

Chemical of Concern: 24D,PAQT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(24D,PAQT). [Endpoints not applicable to be used in 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: 24D,CLNB,ADC,Captan,THM,PAQT,PPN,Cu,ATZ,HCCH,PNB,Ziram; Habitat: T; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(ADC,ATZ,CLNB,Captan,24D,PAQT),OK(THM,PPN),TARGET(Ziram,Cu). [Target species, do not use efficacy tests in an assessment]

Singh, S. and Gill, M. S. (1996). Evapo-Transpiration Loss of Water Hyacinth (*Eichhornia crassipes*) and Chemical Control of Weed. *Indian J.Agric.Sci.* 66: 487-489 .

EcoReference No.: 97704

Chemical of Concern: 24D,PAQT,GYP; Habitat: A; Effect Codes: MOR,GRO,POP; Rejection Code: LITE EVAL CODED(24D,PAQT,GYP). [Endpoints not applicable to be used in assessment]

Sinow, J. and Wei, E. (1973). Ocular Toxicity of Paraquat. *Bull.Environ.Contam.Toxicol.* 9: 163-168.

EcoReference No.: 104792

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY,MOR; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via topical application, no endpoint reported]

Smith, L. L. and Rose, M. S. (1977). Biochemical Changes in Lungs Exposed to Paraquat. In: A.P.Autor (Ed.), *Biochemical Mechanisms of Paraquat Toxicity*, Academic Press, New York 187-199.

EcoReference No.: 105165

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR,ACC,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via unspecified diet, without specific information about the endpoint]

Sone, T., Talbot, A., Harada, T., Ikuo, T., Kato, T., and Uematsu, H. (1989). The Effects of 24% Paraquat (1,1'-Dimethyl-4,4'-Bipyridylium Dichloride) on Hemodynamics, Blood Gases, Plasma Lactate and Plasma Catecholamines in Dogs. *Vet.Hum.Toxicol.* 31: 149-153.

EcoReference No.: 104685

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY,CEL,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Stephensen, E., Sturve, J., and Forlin, L. (2002). Effects of Redox Cycling Compounds on Glutathione Content and Activity of Glutathione-Related Enzymes in Rainbow Trout Liver. *Comp.Biochem.Physiol.C* 133: 435-442.

EcoReference No.: 66301

Chemical of Concern: PAQT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [No specific chemical information]

Sucahyo, D., Van Straalen, N. M., Krave, A., and Van Gestel, C. A. M. (2008). Acute Toxicity of Pesticides to the Tropical Freshwater Shrimp *Caridina laevis*. *Ecotoxicol.Environ.Saf.* 69: 421-427.

EcoReference No.: 100785

Chemical of Concern: PFF,CBF,PAQT,ES,DZ,LCYT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CBF,ES,PAQT,DZ). [Problems with rearing animals in the lab for sufficient

replicates]

Sullivan, T. M. and Montgomery, M. R. (1983). The Effect of Ascorbic Acid Nutritional Status on Paraquat Toxicity in Guinea Pigs. *Dev.Toxicol.Environ.Sci.* 11: 471-474 .

EcoReference No.: 105440

Chemical of Concern: PQT; Habitat: T; Effect Codes: ACC,BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Suntres, Z. E. and Shek, P. N. (1995). Liposomal alpha-Tocopherol Alleviates the Progression of Paraquat-Induced Lung Damage. *J.Drug Target* 2: 493-500.

EcoReference No.: 105056

Chemical of Concern: PQT; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Szilagyi, M., Nemcsok, J., Sankari, S., Suri, A., and Szabo, E. (1993). Effects of Selenium Supplementation on Serum Biochemical Parameters in Paraquat Poisoned Carp. In: M.Anke (Ed.), *13th, Mengen Spurenelem, Arbeitstag, Verlag MTV Hammerschmidt: Gersdorf, Germany* 155-162.

EcoReference No.: 81817

Chemical of Concern: Se,PQT; Habitat: A; Effect Codes: BCM,PHY; Rejection Code: LITE EVAL CODED(PQT). [Not enough information provided]

Teran, A. L., Alvarez, R. A., and Orlando, C. A. (1993). Effect of Currently Used Pesticides in Citrus Orchards on Two Aphelinid Parasitoids. Laboratory Tests. *J.Appl.Entomol.* 116: 20-24.

EcoReference No.: 90421

Chemical of Concern: Cu,PQT,GYPI,BMC,DU,BMY,MZB,Zineb,DCF,MDT,EPRN,CPY; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(DU,CPY,PQT,GYPI,BMY),NO MIXTURE(DCF),NO ENDPOINT(MZB),OK(BMC). [Exposure via direct application or fumigation, not usable in assessment]

Thiruchelvam, M., Brockel, B. J., Richfield, E. K., Baggs, R. B., and Cory-Slechta, D. A. (2000). Potentiated and Preferential Effects of Combined Paraquat and Maneb on Nigrostriatal Dopamine Systems: Environmental Risk Factors for Parkinson's Disease? *Brain Res.* 873: 225-234.

EcoReference No.: 90127

Chemical of Concern: PAQT,Maneb; Habitat: T; Effect Codes: BEH,BCM; Rejection Code: LITE EVAL CODED(Maneb,PAQT). [Exposure via injection, not applicable]

Thiruchelvam, M., McCormack, A., Richfield, E. K., Baggs, R. B., Tank, A. W., Di Monte, D. A., and Cory-Slechta, D. A. (2003). Age-Related Irreversible Progressive Nigrostriatal Dopaminergic Neurotoxicity in the Paraquat and Maneb Model of the Parkinson's Disease Phenotype. *Eur.J.Neurosci.* 18: 589-600.

EcoReference No.: 94308

Chemical of Concern: PAQT,Maneb; Habitat: T; Effect Codes: BEH,BCM,GRO,CEL; Rejection Code: LITE EVAL CODED(PAQT),OK(Maneb). [Exposure via injection, not applicable]

Thiruchelvam, M., Richfield, E. K., Baggs, R. B., Tank, A. W., and Cory-Slechta, D. A. (2000). The Nigrostriatal Dopaminergic System as a Preferential Target of Repeated Exposures to Combined Paraquat and Maneb: Implications for Parkinson's Disease. *J.Neurosci.* 20: 9207-9214.

EcoReference No.: 92023

Chemical of Concern: Maneb,PAQT; Habitat: T; Effect Codes: GRO,CEL,BCM,BEH; Rejection Code: LITE EVAL CODED(PAQT),OK(Maneb). [Exposure via injection, not applicable]

Thiruchelvam, M., Richfield, E. K., Goodman, B. M., Baggs, R. B., and Cory-Slechta, D. A. (2002). Developmental Exposure to the Pesticides Paraquat and Maneb and the Parkinson's Disease Phenotype. *Neurotoxicology* 23: 621-633.

EcoReference No.: 90135

Chemical of Concern: PAQT, Maneb; Habitat: T; Effect Codes: GRO, PHY, BEH; Rejection Code: LITE EVAL CODED(Maneb, PAQT). [Exposure was via injection, not applicable]

Thompson, W. D. and Patrick, R. S. (1978). Collagen Prolyl Hydroxylase Levels in Experimental Paraquat Poisoning. *Br.J.Exp.Pathol.* 59: 288-291.

EcoReference No.: 39112

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM, GRO; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Tomita, M., Katsuyama, H., Okuyama, T., Hidaka, K., and Minatogawa, Y. (2005). Changes in Gene Expression Level for Defense System Enzymes Against Oxidative Stress and Glutathione Level in Rat Administered Paraquat. *Int.J.Mol.Med.* 15: 689-693 .

EcoReference No.: 105058

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Tomita, M., Nohno, T., Okuyama, T., Nishimatsu, S. I., and Adachi, J. (2002). Paraquat-Induced Gene Expression in Rat Lung Tissues Using a Differential Display Reverse Transcription-Polymerase Chain Reaction . *Arch.Toxicol.* 76: 530-537.

EcoReference No.: 106635

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Tomita, M., Okuyama, T., and Hidaka, K. (1999). Changes in mRNAs of Inducible Nitric Oxide Synthase and Interleukin-1 beta in the Liver, Kidney and Lung Tissues of Rats Acutely Exposed to Paraquat. *Legal Med.* 1: 127-134.

EcoReference No.: 105059

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL, BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Tomita, M., Okuyama, T., Katsuyama, H., Hidaka, K., Otsuki, T., and Ishikawa, T. (2006 ). Gene Expression in Rat Lungs During Early Response to Paraquat-Induced Oxidative Stress. *Int.J.Mol.Med.* 17: 37-44.

EcoReference No.: 105060

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Tomita, M., Okuyama, T., Katsuyama, H., and Ishikawa, T. (2006). Paraquat-Induced Gene Expression in Rat Kidney. *Arch.Toxicol.* 80: 687-693.

EcoReference No.: 106636

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Tomita, M., Okuyama, T., Watanabe, S., and Kawai, S. (1990). Free Malondialdehyde Levels in the Urine of Rats Intoxicated with Paraquat. *Arch.Toxicol.* 64: 590-593 .

EcoReference No.: 106634

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,PHY,GRO; Rejection Code: LITE EVAL CODED(PQT). [Exposure via diet, but is not more sensitive than submitted studies reviewed by HED]

Tortorelli, M. C., Hernandez, D. A., Vazquez, G. R., and Salibian, A. (1990). Effects of Paraquat on Mortality and Cardiorespiratory Function of Catfish Fry *Plecostomus commersoni*. *Arch.Environ.Contam.Toxicol.* 19: 523-529.

EcoReference No.: 3320

Chemical of Concern: PQT; Habitat: A; Effect Codes: MOR,GRO,PHY,CEL; Rejection Code: LITE EVAL CODED(PQT). [Formulation of paraquat used that is not a current registered use in the U.S., No control information]

Vaishampayan, A. (1985). Mutagenicity of Bipirydylum Salts in a N2-Fixing Cyanobacterium. *Microbios* 43: 53-65.

EcoReference No.: 104798

Chemical of Concern: PAQT; Habitat: A; Effect Codes: GRO,CEL; Rejection Code: LITE EVAL CODED(PAQT). [Not enough information provided, ednpoints not applicable to be used in assessmnet]

Van der Gulik, J. and Springett, J. A. (1980). The Effect of Commonly Used Biocides on Slugs. *Proc.N.Z.Weed Pest Control Conf.* 33: 225-229.

EcoReference No.: 79821

Chemical of Concern:

PCH,PCL,MCPA,PAQT,MBZ,LNR,24DXY,ACR,PRT,MP,MOM,MTM,HCCH,DZM,TPM,TPE,DINO, Maneb,CBD,CBL,Captan,CAP,BMY,THM,DDT,PZM,GYP; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MOM,PZM,24DXY,LNR,PRT,MTM,CBD,BMY,GYP,PAQT,ACR),OK(THM,CAP,Captan,CBL,Maneb,DZM,MBZ),NO ENDPOINT(MP). [No relevant endpoint, exposure via spray]

Van Gestel, C. A. M., Dirven-Van Breemen, E. M., Baerselman, R., Emans, H. J. B., Janssen, J. A. M., Postuma, R., and Van Vliet, P. J. M. (1992). Comparison of Sublethal and Lethal Criteria for Nine Different Chemicals in Standardized Toxicity Tests Using the Earthworm *Eisenia andrei*. *Ecotoxicol.Environ.Saf.* 23: 206-220 (OECDG Data File).

EcoReference No.: 45348

Chemical of Concern: Cd,Cr,PCP,PRN,PAQT,PHMD,BMY,CBD,PQT; Habitat: T; Effect Codes: MOR,GRO,REP; Rejection Code: LITE EVAL CODED(PHMD,PCP,BMY,CBD,PQT),OK(Cd,Cr,PRN). [Expsure via direct application, not applicable]

Vartak, V. and Bhargava, S. (1999). Photosynthetic Performance and Antioxidant Metabolism in a Paraquat-Resistant Mutant of *Chlamydomonas reinhardtii* L. *Pestic.Biochem.Physiol.* 64: 9-15.

EcoReference No.: 104708

Chemical of Concern: PAQT; Habitat: A; Effect Codes: BCM,PHY,POP; Rejection Code: LITE EVAL CODED(PAQT). [Endpoints not applicable for use in assessment]

Vecera, J., Krishnan, N., Alquicer, G., Kodrik, D., and Socha, R. (2007). Adipokinetic Hormone-Induced Enhancement of Antioxidant Capacity of *Pyrrhocoris apterus* Hemolymph in Response to Oxidative Stress . *Comp.Biochem.Physiol.C* 146: 336-342.

EcoReference No.: 98096

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]



Ved, R., Saha, S., Westlund, B., Perier, C., Burnam, L., Sluder, A., Hoener, M., Rodrigues, C. M. P., Alfonso, A., Steer, C., Liu, L., Przedborski, S., and Wolozin, B. (2005). Similar Patterns of Mitochondrial Vulnerability and Rescue Induced by Genetic Modification of alpha-Synuclein, Parkin, and DJ-1 in *Caenorhabditis elegans*. *J.Biol.Chem.* 280: 42655-42668.

EcoReference No.: 100164

Chemical of Concern: CuCl,PRB,PAQT,RTN; Habitat: A; Effect Codes: CEL,PHY,BCM; Rejection Code: LITE EVAL CODED(RTN,PAQT,CuCl). [Not more sensitive than submitted studies]

Vismara, C., Bacchetta, R., Cacciatore, B., Vailati, G., and Fascio, U. (2001). Paraquat Embryotoxicity in the *Xenopus laevis* Cleavage Phase. *Aquat.Toxicol.* 55: 85-93.

EcoReference No.: 61850

Chemical of Concern: PQT; Habitat: A; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(PQT). [Not enough chemical information provided, test method used was not scientifically sound]

Vismara, C., Bacchetta, R., Di Muzio, A., Mantecca, P., Tarca, S., Vailati, G., and Colombo, R. (2006). H2O2 Induces Abnormal Tail Flexure in *Xenopus* Embryos: Similarities with Paraquat Teratogenic Effects . *Birth Defects Res.B* 77: 238-243.

EcoReference No.: 107151

Chemical of Concern: HOX,PQT; Habitat: A; Effect Codes: MOR,GRO,CEL; Rejection Code: LITE EVAL CODED(PQT,HOX). [Test method used was not scientifically sound]

Vismara, C., Battista, V., Vailati, G., and Bacchetta, R. (2000). Paraquat Induced Embryotoxicity on *Xenopus laevis* Development . *Aquat.Toxicol.* 49: 171-179.

EcoReference No.: 55247

Chemical of Concern: PAQT; Habitat: A; Effect Codes: CEL,GRO,MOR; Rejection Code: LITE EVAL CODED(PAQT). [Not enough chemical information provided, test method used was not scientifically sound]

Vismara, C., Vailati, G., and Bacchetta, R. (2001). Reduction in Paraquat Embryotoxicity by Ascorbic Acid in *Xenopus laevis*. *Aquat.Toxicol.* 51: 293-303.

EcoReference No.: 60191

Chemical of Concern: PQT; Habitat: A; Effect Codes: CEL,GRO,MOR; Rejection Code: LITE EVAL CODED(PQT). [Test method used was not scientifically sound]

Vuksa, M., Neskovic, N., Vitorovic, S., and Karan, V. (1983). Subacute Toxicity of Paraquat in Rats - Biochemical Effects. *Ecotoxicol.EnvIRON.Saf.* 7: 475-483.

EcoReference No.: 39256

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,BEH,GRO; Rejection Code: LITE EVAL CODED(PQT). [Exposure via drinking water, not applicable]

Wallace, D. B., MacHardy, W. E., and Meader, E. M. (1976). Control of Mummy Berry of Highbush Blueberry in New Hampshire. *Plant Dis.Rep.* 60: 97-101.

EcoReference No.: 96270

Chemical of Concern: FBM,DBN,TFR,BMY,CAP,DU,PAQT,NaPCP; Habitat: T; Effect Codes: REP; Rejection Code: LITE EVAL CODED(PAQT,DU),TARGET(TFR,BMY,NaPCP,CAP). [Endpoints not applicable for assessment]

Widdowson, P. S., Farnworth, M. J., Upton, R., and Simpson, M. G. (1996). No Changes in Behaviour, Nigro-Striatal System Neurochemistry or Neuronal Cell Death Following Toxic Multiple Oral Paraquat

Administration to Rats. *Hum.Exp.Toxicol.* 15: 583-591.

EcoReference No.: 105050

Chemical of Concern: PAQT; Habitat: T; Effect Codes: ACC,BCM,CEL; Rejection Code: LITE EVAL CODED(PAQT). [Not more sensitive than submitted studies reviewed by HED]

Wiegand, C., Pehkonen, S., Akkanen, J., Penttinen, O. P., and Kukkonen, J. V. K. (2007 ). Bioaccumulation of Paraquat by *Lumbriculus variegatus* in the Presence of Dissolved Natural Organic Matter and Impact on Energy Costs, Biotransformation and Antioxidative Enzymes. *Chemosphere* 66: 558-566.

EcoReference No.: 104793

Chemical of Concern: PAQT; Habitat: A; Effect Codes: ACC,BCM,CEL; Rejection Code: LITE EVAL CODED(PAQT). [Not an applicable species]

Wilkinson, S. R., Prathalingam, S. R., Taylor, M. C., Ahmed, A., Horn, D., and Kelly, J. M. (2006). Functional Characterisation of the Iron Superoxide Dismutase Gene Repertoire in *Trypanosoma brucei*. *Free Radic.Biol.Med.* 40: 198-209.

EcoReference No.: 107644

Chemical of Concern: PAQT,HOX,NaN<sub>3</sub>,TTC; Habitat: AT; Effect Codes: BCM,POP; Rejection Code: LITE EVAL CODED(PAQT),OK(TTC),NO ENDPOINT(HOX,NaN<sub>3</sub>). [Exposure via culture medium, not applicable endpoint measurements]

Wirth, D., Christians, E., Munaut, C., Dessy, C., Foidart, J. M., and Gustin, P. (2002 ). Differential Heat Shock Gene hsp70-1 Response to Toxicants Revealed by In Vivo Study of Lungs in Transgenic Mice. *Cell Stress Chaperones* 7: 387-395.

EcoReference No.: 85354

Chemical of Concern: CdCl<sub>2</sub>,PAQT,PRN; Habitat: T; Effect Codes: BCM,CEL,PHY,BEH; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Witschi, H., Hirai, K. I., and Cote, M. G. (1977). Primary Events in Lung Following Exposure to Toxic Chemicals. In: A.P.Autor (Ed.), *Biochemical Mechanisms of Paraquat Toxicity*, Academic Press, New York 1-20 .

EcoReference No.: 105037

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Witschi, H., Kacew, S., Hirai, K. I., and Cote, M. G. (1977). In Vivo Oxidation of Reduced Nicotinamide-Adenine Dinucleotide Phosphate by Paraquat and Diquat in Rat Lung. *Chem.-Biol.Interact.* 19: 143-160.

EcoReference No.: 104795

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,CEL,ACC; Rejection Code: LITE EVAL CODED(PQT). [Exposure via injection, not applicable]

Witschi, H. P. and Kacew, S. (1974). Studies on the Pathological Biochemistry of Lung Parenchyma in Acute Paraquat Poisoning. *Med.Biol.* 52: 104-110.

EcoReference No.: 105442

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,GRO; Rejection Code: LITE EVAL CODED(PAQT). [Exposure via injection, not applicable]

Wong, P. K. (2000). Effects of 2,4-D, Glyphosate and Paraquat on Growth, Photosynthesis and Chlorophyll-a Synthesis of *Scenedesmus quadricauda* Berb 614. *Chemosphere* 41: 177-182.

EcoReference No.: 55720

Chemical of Concern: PAQT,GYP,24D; Habitat: A; Effect Codes: POP,BCM,PHY; Rejection Code: LITE EVAL CODED(24D,GYP,PAQT). [Not more sensitive than submitted studies]

Woodruff, R. C., Phillips, J. P., and Irwin, D. (1983). Pesticide-Induced Complete and Partial Chromosome Loss in Screens with Repair-Defective Females of *Drosophila melanogaster*. *Environ.Mutagen.* 5: 835-846.

EcoReference No.: 90436

Chemical of Concern: PMR,DZ,DDT,DMT,Captan,Maneb,BMC,PAQT,PCL,24D,CBL,CPY,CBF;  
Habitat: T; Effect Codes: MOR,CEL; Rejection Code: LITE EVAL  
CODED(Captan,Maneb,BMC,24D,PAQT),OK(DDT,PCL),TARGET(PMR,DZ,DMT,CBL,CPY,CBF).  
[Exposure via food for the fruit fly and not contact like the honeybee]

Wyss, G. S., Charudattan, R., Roskopf, E. N., and Littell, R. C. (2004). Effects of Selected Pesticides and Adjuvants on Germination and Vegetative Growth of *Phomopsis amaranthicola*, a Biocontrol Agent for *Amaranthus* spp. *Weed Res.* 44: 469-482 .

EcoReference No.: 96666

Chemical of Concern:  
PEB,DCF,EPTC,OXF,PAQT,CLT,TFN,NPM,PDM,AMTR,PRM,NPP,MBZ,IZT,IPD,VCZ,BMY,DMT,MLN,CYR,LNR,DU,BS,GYPI,MTL,SXD,DCPA,IZP,SZ,ATZ,Maneb,MZB,CuOH,CTN,FSTL; Habitat: T;  
Effect Codes: MOR,REP; Rejection Code: LITE EVAL  
CODED(LNR,GYPI,OXF,EPTC,CLT,DU,DCPA,ATZ,DMT,MLN,PAQT,PDM,DCF),TARGET(FSTL,CTN,CuOH,MZB,Maneb,BMY),OK(SZ,IZP,SXD,MTL,BS,CYR). [Endpoints not applicable for assessment]

Yacoub, G. S. and Dubaybo, B. A. (1998). G-Protein Activation and Expression in Lung Injury. *Res.Commun.Mol.Pathol.Pharmacol.* 99: 345-360.

EcoReference No.: 104743

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: LITE EVAL  
CODED(PAQT). [Exposure via injection, not applicable]

Yamada, Y., Akahori, F., Masaoka, T., Sirai, M., and Kohzaki, K. I. (1993). Chlorpromazine and Paraquat Poisoning. *Vet.Hum.Toxicol.* 35: 112-115.

EcoReference No.: 107577

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL  
CODED(PQT). [Exposure via injection, not applicable]

Yin, X. H., Li, S. N., Zhang, L., Zhu, G. N., and Zhuang, H. S. (2008). Evaluation of DNA Damage in Chinese Toad (*Bufo bufo gargarizans*) After In Vivo Exposure to Sublethal Concentrations of Four Herbicides Using the Comet Assay. *Ecotoxicology* 17: 280-286.

EcoReference No.: 104173

Chemical of Concern: PAQT,BTC,ACO,CRME; Habitat: A; Effect Codes: MOR,CEL; Rejection Code: LITE EVAL CODED(PAQT). [No specific chemical information, test methods questionable]

Yoshimura, Y., Watanabe, Y., and Shibuya, T. (1993). Inhibitory Effects of Calcium Channel Antagonists on Motor Dysfunction Induced by Intracerebroventricular Administration of Paraquat. *Pharmacol.Toxicol.* 72: 229-235.

EcoReference No.: 104748

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BEH,BCM,MOR; Rejection Code: LITE EVAL  
CODED(PAQT). [Exposure via injection, not applicable]

Yu, G., Wang, G., He, C., and Bai, J. (2000). Physiological Responses to Oxidative and Heavy Metal Stress in

Seedlings of Rice Paddy, *Oryza sativa* L. *Bull. Environ. Contam. Toxicol.* 65: 514-521.

EcoReference No.: 56767

Chemical of Concern: CdCl<sub>2</sub>, PAQT, HOX; Habitat: T; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(PAQT), TARGET(HOX). [Exposure via soaking or dipping, not applicable]

Zhou, Z. Y., Sugawara, K., Hashi, R., Muramoto, K., Mawatari, K., Matsukawa, T., Liu, Z. W., Devadas, M., and Kato, S. (2001). Reactive Oxygen Species Uncouple External Horizontal Cells in the Carp Retina and Glutathione Couples Them Again. *Neuroscience* 102: 959-967.

EcoReference No.: 104713

Chemical of Concern: PAQT; Habitat: A; Effect Codes: BCM, CEL; Rejection Code: LITE EVAL CODED(PAQT). [No specific chemical information]

**Acceptable for ECOTOX but not OPP:** This involves the toxicity of the pesticide 9paraquat dichloride) on the intended pest (plants), and efficacy studies on target species are excluded by OPP and are listed with the rejection code TARGET.

Akhavain, A. A. and Linscott, D. L. (1970). Effects of Paraquat and Light Regime on Quackgrass Growth. *Weed Sci.* 18: 378-382.

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

Albregts, E. E. and Howard, C. M. (1975). Weed Control in the Strawberry Fruiting Field with Paraquat. *Proc. Fla. Hortic. Soc.* 88: 208-211.

EcoReference No.: 29210

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

Alexander, A. G. and Biddulph, O. (1976). Effects of Paraquat on Carbon Assimilation and Transport by Sugarcane Leaves in White Light and Darkness. *Plant Cell P* 17: 601-609.

EcoReference No.: 30008

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

Ali, A., Malik, M. A., Sharar, M. S., Saqib, A. H., and Tahir, M. (1996). Effect of Pre-plant Incorporated and Post-Emergence Herbicides on Growth and Yield of Sunflower (*Helianthus annuus* L.). *Pak. J. Sci. Ind. Res.* 39: 192-194.

EcoReference No.: 74000

Chemical of Concern: MTL, EFL, PAQT; Habitat: T; Effect Codes: POP, BCM; Rejection Code: TARGET(MTL, PAQT).

Alizadeh, H. M., Preston, C., and Powles, S. B. (1998). Paraquat-Resistant Biotypes of *Hordeum glaucum* from Zero-Tillage Wheat. *Weed Res.* 38: 139-142.

EcoReference No.: 63452

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

Ananieva, E. A., Christov, K. N., and Popova, L. P. (2004). Exogenous Treatment with Salicylic Acid Leads to Increased Antioxidant Capacity in Leaves of Barley Plants Exposed to Paraquat. *J. Plant Physiol.* 161: 319-328.

Chemical of Concern: Pb,PAQT; Habitat: T; Rejection Code: TARGET(PAQT).

Anderson, J. R. and Drew, E. A. (1976). Effects of Pure Paraquat Dichloride, "Gramoxone W" and Formulation Additives on Soil Microbiological Activities. 2. Effects on Respiration, Organic Matter Mineralization, and Nitrification in Laboratory-Treated Soil. *Zbl.Bakt.Abt.II* 131: 136-147.

EcoReference No.: 74103

Chemical of Concern: PQT; Habitat: T; Effect Codes: PHY; Rejection Code: TARGET(PQT).

Anderson, J. R. and Drew, E. A. (1976). Effects of Pure Paraquat Dichloride, 'Gramoxone W' and Formulation Additives on Soil Microbiological Activities. 3. Estimation of Soil Microflora and Enzyme Activity in Field Treated Soils. *Zbl.Bakt.Abt.II* 131: 247-258.

EcoReference No.: 46992

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

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Chemical of Concern: ASM,ATZ,24D,DFPM,GYP,IZP,PQT; Habitat: T; Effect Codes: PHY,GRO; Rejection Code: TARGET(ATZ,24D,GYP,IZP,PQT).

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

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

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

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Chemical of Concern: GYP,GFS,FZF,PAQT,SXD,FNP; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(FNP,GYP),TARGET(GFS,SXD,PAQT).

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EcoReference No.: 70615

Chemical of Concern: GYP,ASM,MCPA,CTN,TPR,24DXY,PQT,PPM,SZ; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(CTN,SZ),OK(ALL CHEMS),TARGET(24DXY,GYP,PQT).

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Chemical of Concern: MTL,DMM,MBZ,PAQT,LNR,24DXY,GYP,CRM; Habitat: T; Effect Codes: POP,PHY; Rejection Code: TARGET(MTL,24DXY,LNR,GYP,PQT).

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EcoReference No.: 73991

Chemical of Concern: MTL,ACR,IMQ,MBZ,DMM,PAQT; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(MTL,ACR,PQT).

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EcoReference No.: 30763

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

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EcoReference No.: 73737

Chemical of Concern: MTL,NPP,PQT,PDM,OYZ,TFN,OXF,ODZ; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(OYZ,MTL,OXF,PDM,PQT).

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

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EcoReference No.: 63773

Chemical of Concern: 24DB,CTN,PQT; Habitat: T; Effect Codes: PHY; Rejection Code: OK(24DB),CROP(CTN),TARGET(PQT).

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Chemical of Concern: CLT,DU,PAQT,GYPI; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(CLT,DU,PQT).

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EcoReference No.: 100681

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

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EcoReference No.: 76140

Chemical of Concern: MCPB,PAQT,BT; Habitat: T; Effect Codes: GRO,MOR; Rejection Code: TARGET(MCPB,PAQT),OK(BT).

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

Curry, J. P. (1970). The Effects of Different Methods of new Sward Establishment and the Effects of the Herbicides Paraquat and Dalapon on Soil Fauna. *Pedobiologia* 10: 329-361.

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

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

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EcoReference No.: 91939

Chemical of Concern: PZM,PAQT; Habitat: T; Effect Codes: GRO,MOR,BCM; Rejection Code: NO MIXTURE(PZM),TARGET(PAQT).

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EcoReference No.: 30603

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



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EcoReference No.: 100973

Chemical of Concern: GYP,PAQT,SXD,GFSNH; Habitat: T; Effect Codes: POP,GRO; Rejection Code: EFFICACY(SXD,GYP,GFSNH,PAQT).

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EcoReference No.: 73760

Chemical of Concern: MTL,PPZ,DMB,24DXY,MBZ,OYZ,PAQT,ATZ; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PPZ),OK(ALL CHEMS),OK TARGET(DMB,ATZ,MTL),TARGET(24DXY,OYZ,PAQT).

Dodge, A. D. (1971). The Mode of Action of the Bipirydylum Herbicides, Paraquat and Diquat. *Endeavour* 30: 130-135.

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

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EcoReference No.: 25017

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,MOR; Rejection Code: TARGET(PAQT).

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Chemical of Concern: SZ,CBF,PQT; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(CBF),TARGET(SZ,PQT).

Durmus, N. and Kadioglu, A. (2005). Reduction of Paraquat Toxicity in Maize Leaves by Benzyladenine. *Acta Biol.Hung.* 56: 97-107.

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

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EcoReference No.: 79710

Chemical of Concern: ATZ,AMTL,24DXY,DQT,DFPM,PAQT,TFN; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: TARGET(ATZ,24DXY,PAQT).

Eberbach, P. L. and Douglas, L. A. (1989). Herbicide Effects on the Growth and Nodulation Potential of *Rhizobium trifolii* with *Trifolium subterraneum* L. *Plant Soil* 119: 15-23.

EcoReference No.: 97086

Chemical of Concern: ATZ,AMTL,24D,CSF,DFPM,GYP,PAQT,TFN; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(ATZ,24D,GYP,PAQT).

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EcoReference No.: 96365

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

Fayed, M. T., Rizk, T. Y., Hassanein, E. E., and Kholosy, A. (1989). The Response of Paraquat Resistant and Susceptible Biotypes of Conyza linifolia Weed to Other Alternative Herbicides. *Ann.Agric.Sci.(Cairo)* 34: 181-192.

Chemical of Concern: LNR,PAQT; Habitat: T; Rejection Code: TARGET (LNR,PAQT).

Frans, R., McClelland, M., Jordan, D., and Carey, F. (1991). Herbicide Trials on Field Crops, 1990. *Ark.Agric.Exp.Stn.Res.Ser.* 88 p.

EcoReference No.: 73743

Chemical of Concern:

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

Frans, R., McClelland, M., Smith, C., and Jordan, D. (1993). Herbicide Trials on Field Crops, 1992. *Ark.Agric.Exp.Stn.Res.Ser.#427, University of Arkansas* 63 p.

EcoReference No.: 73962

Chemical of Concern:

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

Fraser, T. W., Mackender, R. O., and Harvey, B. M. R. (1994). Ultrastructural Evidence of Damage to Leaf Stromal Protein Four Hours After Treatment with Paraquat. *J.Exp.Bot.* 45: 1183-1186.

EcoReference No.: 49321

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

Freeman, J. A. (1967). The Effects of Applying Paraquat, Atrazine, and Simazine for Weed Control in Raspberries in Coastal British Columbia. *Can.J.Plant Sci.* 47: 25-31.

EcoReference No.: 28198

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

Funderburk, H. H. and Carter, M. C. (1965). The Effect of Amitrole, Atrazine, Dichlobenil, and Paraquat on the Fixation and Distribution of <sup>14</sup>CO<sub>2</sub> in Beans. *Proc.South.Weed Control Conf.* 18: 607 -.

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

Giannopolitis, C. N. and Ayers, G. S. (1978). Enhancement of Chloroplast Photooxidations with Photosynthesis-Inhibiting Herbicides and Protection with Nadh Or Nadph. *Weed Sci.* 26: 440-443.

EcoReference No.: 26009

Chemical of Concern: PAQT,UREA; Habitat: T; Rejection Code: TARGET(PAQT,UREA).

Glenn, S., Phillips II, W. H., and Kalnay, P. (1997). Long-Term Control of Perennial Broadleaf Weeds and Triazine-Resistant Common Lambsquarters (*Chenopodium album*) in No-Till Corn (*Zea mays*). *Weed Technol.* 11:

436-443.

EcoReference No.: 73807

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

Grichar, W. J., Colburn, A. E., and Kearney, N. S. (1994). Herbicides for Reduced Tillage Production in Peanut (*Arachis hypogaea*) in the Southwest. *Weed Technol.* 8: 212-216.

EcoReference No.: 73912

Chemical of Concern: LCF,ACF,BT,PAQT,PMD,SXD,ACR,MTL; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(SXD,LCF,ACR,PAQT).

Grossbard, E. and Harris, D. (1977). Selective Action of 'Gramoxone W' and 'Roundup' on *Chaetomium globosum* in Relation to Straw Decay. *Trans.Br.Mycol.Soc.* 69: 141-146.

EcoReference No.: 49714

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

Hamel, C., Morin, F., Fortin, A., Granger, R. L., and Smith, D. L. (1994). Mycorrhizal Colonization Increases Herbicide Toxicity in Apple. *J.Am.Soc.Hortic.Sci.* 119: 1255-1260.

EcoReference No.: 70509

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

Hare, M. D., Rolston, M. P., Foote, A. G., Archie, W. J., and Hagerty, G. (1993). Herbicide Tolerance of Grasslands Puna Chicory. *Proc.N.Z.Plant Prot.Conf.* 46: 282-287.

EcoReference No.: 77601

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

Harris, N. and Dodge, A. D. (1972). The Effect of Paraquat on Flax Cotyledon Leaves: Physiological and Biochemical Changes. *Planta* 104: 210-219.

EcoReference No.: 29555

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

Harrison, R. D. and Gardner, W. A. (1992). Fungistasis of *Beauveria bassiana* by Selected Herbicides in Soil. *J.Entomol.Sci.* 27: 233-238.

EcoReference No.: 70617

Chemical of Concern: TRB,NFZ,GYP,PQT,DU,SZ; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(SZ,DU,PQT).

Hashim, I. B., Koehler, P. E., and Kvien, C. K. (1993). Fatty Acid Composition, Mineral Content, and Flavor Quality of Southern Runner Peanuts Treated with Herbicides and Fungicides. *Peanut Sci.* 20: 106-111.

EcoReference No.: 73925

Chemical of Concern: ACR,VNT,BFL,MTL,CTN,PAQT,DCZ,CRME; Habitat: T; Effect Codes: POP,BCM; Rejection Code: LITE EVAL CODED(MTL),OK(ALL CHEMS),CROP(CTN),TARGET(ACR,PAQT).

Helms, R. S., Guy, C. B., Black, H. L., Fox, W. T., and Grove, J. A. (1994). Weed Management Studies in Stale-Seedbed Rice Production. *Ark.Agric.Exp.Stn.Res.Ser.* 449: 20-25.

EcoReference No.: 100557

Chemical of Concern: PAQT,GYP,QNC,TBC,PDM,PPN,24D; Habitat: T; Effect Codes: PHY,GRO,POP; Rejection Code: NO MIXTURE(QNC),TARGET(24D,GYP,PDM,PPN,PAQT).

Hilton, W. W. and Nomura, N. (1964). Phytotoxicity of Herbicides as Measured by Root Absorption. *Weed Res.* 4: 216-222.

EcoReference No.: 40598

Chemical of Concern: PMT,PPZ,SZ,ATZ,BMC,PPN,24DXY,PAQT,DBN,PCP,EDT; Habitat: T; Effect Codes: MOR; Rejection Code: TARGET(SZ,ATZ,PAQT),NO COC(BMC).

Hulec, P. (1983). Use of Paraquat and Diquat for Desiccation on Grass Swards. *V Pr Pas by* 17: 167-174.

EcoReference No.: 32398

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

Iannelli, M. A., Van Breusegem, F., Van Montagu, M., Inze, D., and Massacci, A. (1999). Tolerance to Low Temperature and Paraquat-Mediated Oxidative Stress in Two Maize Genotypes. *J.Exp.Bot.* 50: 523-532.

EcoReference No.: 64815

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

Ivany, J. A. (1976). Kennebec Potato Yield Response to Delayed Paraquat Application. *Can.J.Plant Sci.* 56: 539-542.

EcoReference No.: 26024

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

James, T. K. and Atkinson, G. C. (1978). Herbicide Tolerance of Sainfoin. *Proc.N.Z.Weed Control Conf.* 31: 121-123.

EcoReference No.: 25882

Chemical of Concern: TFN,EPTC,24DB,MCPB,PZM,PAQT,CZE,SZ,MBZ,TRB,OYZ; Habitat: T; Effect Codes: POP,PHY; Rejection Code: OK(TFN,24DB,MCPB,PZM,CZE,MBZ,TRB,OYZ),TARGET(PZM,OYZ,SZ,EPTC,PAQT).

Johnson, D. H. and Talbert, R. E. (1993). Imazethapyr and Imazaquin Control Puncturevine (*Tribulus terrestris*) but Carry over to Spinach (*Spinacia oleracea*). *Weed Technol.* 7: 79-83.

EcoReference No.: 73749

Chemical of Concern: MTL,BT,TFN,CMZ,IMQ,IZT,PAQT,CBL; Habitat: T; Effect Codes: GRO,POP; Rejection Code: OK,TARGET(MTL,CBL),TARGET(CMZ,PQT).

Johnson III, W. C. and Mullinix, B. G. Jr. (1994). Use of F6285 for Weed Control in Peanut: Efficacy and Crop Injury. *Peanut Sci.* 21: 65-68.

EcoReference No.: 73923

Chemical of Concern: MTL,BT,PAQT,SFZ; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(PAQT,SFZ).

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Chemical of Concern: IZP,ODZ,CFE,ACF,OXF,PAQT; Effect Codes: BCM,GRO; Rejection Code: TARGET(PAQT,OXF,IZP).

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Chemical of Concern: MTL,TFN,PQT; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(MTL),TARGET(MTL,PQT).

Khan, S. U., Belanger, A., Hogue, E. J., Hamilton, H. A., and Mathur, S. P. (1976). Residues of Paraquat and Linuron in an Organic Soil and Their Uptake by Onions, Lettuce and Carrots. *Can.J.Soil Sci.* 56: 407-412.

Chemical of Concern: PAQT,LNR; Habitat: T; Rejection Code: TARGET(LNR,PAQT).

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EcoReference No.: 25723

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

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Chemical of Concern: PBZ,PAQT; Habitat: T; Rejection Code: TARGET (PBZ,PAQT).

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EcoReference No.: 73540

Chemical of Concern: MTL,PQT,ACR,SXD; Habitat: T; Effect Codes: PHY,POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(SXD,ACR,PQT).

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

Kurepa, J., Smalle, J., Van Montagu, M., and Inze, D. (1998). Effects of Sucrose Supply on Growth and Paraquat Tolerance of the Late-Flowering gi-3 Mutant. *Plant Growth Regul.* 26: 91-96.

EcoReference No.: 66770

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

Kurepa, J., Smalle, J., Van Montagu, M., and Inze, D. (1998). Oxidative Stress Tolerance and Longevity in Arabidopsis: The Late-Flowering Mutant Gigantea is Tolerant to Paraquat. *Plant J.* 14: 759-764.

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

Kurepa, J., Smalle, J., Van Montagu, M., and Inze, D. (1998). Polyamines and Paraquat Toxicity in Arabidopsis thaliana. *Plant Cell Physiol.* 39: 987-992.

EcoReference No.: 66762

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

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EcoReference No.: 74059

Chemical of Concern: MTL,PAQT,GYP,CRM,IMQ,MBZ,DMM; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE,TARGET(MTL),TARGET(GYP,PAQT).

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

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EcoReference No.: 76445

Chemical of Concern: FZS,ACO,PAQT,DMM,ACR,PDM,PYD,CMZ; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(FZS),OK(ALL CHEMS),TARGET(CMZ,ACR,PDM,PQT).

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EcoReference No.: 97055

Chemical of Concern: PAQT,GYP; Habitat: T; Effect Codes: BCM,POP; Rejection Code: TARGET(GYP,PAQT).

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EcoReference No.: 44275

Chemical of Concern: SZ,PCL,DV,PAQT,24D,DMB,MTSM,CPR,MCPA,FNPE,DFPM; Habitat: T; Effect Codes: POP,REP,GRO,PHY; Rejection Code: TARGET(SZ,DMB,24D,FNPE,PAQT).

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EcoReference No.: 26011

Chemical of Concern: PAQT,SZ; Habitat: T; Rejection Code: TARGET(PAQT,SZ).

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EcoReference No.: 79702

Chemical of Concern: PAQT; Habitat: T; Effect Codes: GRO,BCM,CEL; Rejection Code: TARGET(PAQT).

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EcoReference No.: 51977

Chemical of Concern: LNR,PQT; Habitat: T; Effect Codes: BCM,POP; Rejection Code: TARGET(LNR,PQT).

Moore, J. D. and Banks, P. A. (1991). Interactions of Foliarly Applied Herbicides on Three Weed Species in Peanut (*Arachis hypogaea*). *Weed Sci.* 39: 614-621.

EcoReference No.: 96887

Chemical of Concern: SAMA,LCF,PAQT,BT,NPM,ACR; Habitat: T; Effect Codes: GRO,POP; Rejection Code: LITE EVAL CODED(SAMA),TARGET(LCF,ACR,PAQT).

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EcoReference No.: 73993

Chemical of Concern: MTL,PAQT,IMZ,CME,IMQ,GYP,LNR,MBZ,DMM; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(MTL,LNR,GYP,PAQT).

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EcoReference No.: 41005

Chemical of Concern:

TBA,CBX,OXC,Zineb,ATZ,SZ,PMT,BMC,TRB,PPHD,FNT,MP,DDVP,TCF,MZB,NaN<sub>3</sub>,PBB,Cap; Habitat: T; Effect Codes: CEL; Rejection Code: LITE EVAL CODED(ATZ,TCF,DDVP,MP,SZ,FNT,PMT),TARGET(BMC,PBB),OK(CBX,MZB,BMC,Cap).

Nicolas, M. E. and Turner, N. C. (1993). Use of Chemical Desiccants and Senescing Agents to Select Wheat Lines Maintaining Stable Grain Size During Post-Anthesis Drought. *Field Crops Res.* 31: 155-171.

EcoReference No.: 83314

Chemical of Concern: KI,PAQT,DQTBr,NaClO; Habitat: T; Effect Codes: GRO,PHY,POP; Rejection Code: LITE EVAL CODED(KI),OK(ALL CHEMS) TARGET (PAQT).

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EcoReference No.: 70779

Chemical of Concern: SZ,TFN,PDM,PAQT,PMT,DMN; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(SZ),TARGET(PMT,PDM,PAQT) .

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EcoReference No.: 25403

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

O'Dovovan, J. T. and O'Sullivan, P. A. (1986). Annual Weed Control with Paraquat in Combination with Other Herbicides. *Can.J.Plant Sci.* 66: 153-160.

Chemical of Concern: LNR,PAQT; Habitat: T; Rejection Code: TARGET (LNR,PAQT).

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

Olofintoye, J. A. (1989). Tillage and Weed Control Practices for Upland Rice (*Oryza sativa* L.) on a Hydromorphic Soil in the Guinea Savanna of Nigeria. *Trop.Agric.* 66: 43-48.

EcoReference No.: 97527

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

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EcoReference No.: 73027

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

Pan, S. M. and Yau, Y. Y. (1992). Characterization of Superoxide Dismutase in Arabidopsis. *Taiwania* 37: 58-66.

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

Patra, J., Sahoo, M., and Panda, B. B. (2003). Persistence and Prevention of Aluminium- and Paraquat-Induced Adaptive Response to Methyl Mercuric Chloride in Plant Cells In Vivo. *Mutat.Res.* 538: 51-61.

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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,ACR,PAQT).

Po, E. S. M. and Ho, J. W. (1997). Paraquat Affects Light-Induced Proton Transport Through Chloroplast Membranes in Spinach. *Comp.Biochem.Physiol.C* 118: 65-69.

EcoReference No.: 53217

Chemical of Concern: CBL,PAQT; Habitat: T; Rejection Code: TARGET(CBL,PAQT).

Puntarulo, S., Simontacchi, M., Galleano, M., Caro, A., Malanga, G., and Kozak, R. G. (1995). Effect of Oxidative Stress on Iron Reduction Rates in Biological Systems. *Cienc.Cult.(Sao Paulo)* 47: 402-406.



EcoReference No.: 106531

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

Putnam, A. R. and Ries, S. K. (1968). Factors Influencing the Phytotoxicity and Movement of Paraquat in Quackgrass. *Weed Sci.* 16: 80-83.

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

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

Qasem, J. R. (2007). Chemical Control of Prosopis farcta (Banks and Sol.) Macbride in the Jordan Valley. *Crop Prot.* 26: 572-575.

EcoReference No.: 99679

Chemical of Concern: OXF,PAQT,MCPPI,24DXY,GYP,MCPA,BMN; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(GYP,OXF,PAQT,24DXY) .

Qasem, J. R. (2006). Chemical Weed Control in Seedbed Sown Onion (Allium cepa L.). *Crop Prot.* 25: 618-622.

EcoReference No.: 87396

Chemical of Concern: TFN,QZFE,PYZ,PMT,PDM,PAQT,OXF,ODZ,MBZ,FZFPB; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(OXF,QZFE,PMT,PDM,PAQT).

Rana, M. A., Ozair, C. A., Khan, M. A., and Shafiullah (1990). Effect of Maturity Stages and Desiccant Application on Seed Yield and Oil Quality of Sunflower (Helianthus annuus L.). *Crop Res.(Hisar)* 3: 40-50.

Chemical of Concern: PQT; Habitat: T; Rejection Code: TARGET(FSF,PQT).

Rao, I. M., Swamy, P. M., and Das, V. S. R. (1980). Influence of Paraquat and 2,4,5-T on the Leaf Chlorophyll Content of Shrub Species. *Z.Pflanzenphysiol.* 97: 189-196.

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

Rao, I. M., Swamy, P. M., and Das, V. S. R. (1977). The Reversal of Scotoactive Stomatal Behavior in Some Woody Weeds by Paraquat and 2,4,5-T. *Weed Sci.* 25: 469-472.

EcoReference No.: 28603

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

Reddy, K. R., Rao, J. V. S., and Rama Das, V. S. (1982). Epicuticular Wax Composition and Herbicide Induced Changes in the Rate of Transpiration in Some Shrub Species. *I.J.Pl.Phys.* 25: 55-64.

EcoReference No.: 25335

Chemical of Concern: PAQT,AMTL; Habitat: T; Rejection Code: TARGET(PAQT,AMTL).

Reich, J. E. and Lagerstedt, H. B. (1971). The Effect of Paraquat, Dinoseb and 2,4-D on Filbert (Corylus avellana L.) Suckers. *J.Am.Soc.Hortic.Sci.* 96: 554-556.

EcoReference No.: 30456

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

Richburg III, J. S., Wilcut, J. W., Colvin, D. L., and Wiley, G. R. (1996). Weed Management in Southeastern Peanut (*Arachis hypogaea*) with AC 263,222. *Weed Technol.* 10: 145-152.

EcoReference No.: 73775

Chemical of Concern: MTL,PAQT,BT,ACF,PDM; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE(MTL),TARGET(PDM,PAQT).

Richburg III, J. S., Wilcut, J. W., and Eastin, E. F. (1995). Weed Management in Peanut (*Arachis hypogaea*) with Imazethapyr and Metolachlor. *Weed Sci.* 9: 807-812.

EcoReference No.: 74008

Chemical of Concern: MTL,PAQT,EFL,BT,IZT,PDM; Habitat: T; Effect Codes: POP,PHY; Rejection Code: TARGET(MTL,PDM,PAQT).

Rolston, M. P., Chu, A. C. P., and Fillery, I. R. P. (1976). Effect of Paraquat on the Nitrogen-Fixing Activity of White Clover. *Nz J Agr Re* 19: 47-49.

EcoReference No.: 29188

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

Rossiter, R. C. and Barrett, D. W. (1970). The Effect of Paraquat on Oestrogenic Isoflavones in Dwalganup Subterranean Clover. *Aust J Ex A* 10: 729-231.

EcoReference No.: 26473

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

Sachs, I. B. (1978). Paraquat-Induced Lightwood in Red Pine Observed by Scanning Electron Microscopy. *Scan e Micr* 1978: 217-222.

EcoReference No.: 29603

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

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

Salgare, S. A. (1989). Stimulatory Effect of Gramoxone and Dalapon on Pollen Tube Growth of Successive Flowers of Apocynaceae. *Pesticides* 23: 46-48.

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

Salgare, S. A. and Sebastian, T. (1989). Effect of Herbicides (Gramoxone and Dalapon) on the Rate of Increase in Pollen Germinability and Tube Growth of Successive Flowers of Apocynaceae. *J.Res.Adv.Appl.Sci.* 4: 616-619.

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

Salgare, S. A. and Sebastian, T. (1989). Inhibitory Effect of Herbicides (Gramoxone and Dalapon) on Pollen Germination of Successive Flowers of Apocynaceae. *J.Res.Adv.Appl.Sci.* 4: 699-702.

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

Salgare, S. A., Sebastian, T., and Sharma, R. I. (1988). Alteration of Resting Period of Pollen of Successive Flowers of *Petunia grandiflora* by Herbicides (Gramoxone and Dalapon). *J.Res.Adv.Appl.Sci.* 3: 463-466.

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

Salgare, S. A., Sebastian, T., and Sharma, R. I. (1986). Effect of Gramoxone on Pollen Germination and Tube Growth of Successive Flowers of *Petunia grandiflora*. *Indian Bot.Reporter* 5: 80-82.

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

Salgare, S. A., Sebastian, T., and Sharma, R. I. (1989). Inhibitory Effect of Herbicides (Gramoxone and Dalapon) on Pollen Tube Growth of Successive Flowers of *Petunia grandiflora*. *J.Rec.Adv.Appl.Sci.* 4: 620-623.

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

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

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EcoReference No.: 79723

Chemical of Concern: ATZ,DU,PPN,PAQT,GYP,NaClO<sub>3</sub>,DTP,NPH,24DXY; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(ATZ,24DXY,GYP,DU,PPN,PAQT).

Scifres, C. J. and Santelmann, P. W. (1966). Response of Cotton and Sorghum to Post Emergence Applications of Paraquat. *Weeds* 14: 86-88.

EcoReference No.: 27863

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

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

Slade, P. (1966). The Fate of Paraquat Applied to Plants. *Weed Res.* 6: 158-167.

EcoReference No.: 54304

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

Smith, E. M. (1980). Tolerance of Greenspire Littleleaf Linden to Herbicides. *Ohio Agric.Res.Dev.Res.Circ.* 253: 35-36.

EcoReference No.: 72285

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

Smith, R. J. Jr. (1989). Cropping and Herbicide Systems for Red Rice (*Oryza sativa*) Control. *Weed Technol.* 3: 414-419.

EcoReference No.: 73748

Chemical of Concern: MTL,TFN,PAQT,ACR,BT,MFD; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),OK(TFN),NO MIXTURE(MFD,BT),TARGET(ACR,PAQT).

Smith, T. F., Noack, A. J., and Cosh, S. M. (1981). The Effect of Some Herbicides on Vesicular-Arbuscular Endophyte Abundance in the Soil and on Infection of Host Roots. *Pestic.Sci.* 12: 91-97.

EcoReference No.: 72606

Chemical of Concern: DU,PQT; Habitat: T; Effect Codes: GRO,POP,PHY,BCM; Rejection Code: TARGET(DU,PQT).

Soar, C. J., Preston, C., Karotam, J., and Powles, S. B. (2004). Polyamines can Inhibit Paraquat Toxicity and Translocation in the Broadleaf Weed *Arctotheca calendula*. *Pestic.Biochem.Physiol.* 80: 94-105.

EcoReference No.: 76769

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

Steadman, K. J., Eaton, D. M., Plummer, J. A., Ferris, D. G., and Powles, S. B. (2006). Late-Season Non-selective Herbicide Application Reduces *Lolium rigidum* Seed Numbers, Seed Viability, and Seedling Fitness. *Aust.J.Agric.Res.* 57: 133-141.

EcoReference No.: 87597

Chemical of Concern: DFPM,PAQT,GYP; Habitat: T; Effect Codes: REP,GRO,MOR; Rejection Code: TARGET(GYP,PAQT).

Stroev, V. S. (1970). Cytogenetic Activity of the Herbicides Atrazine, Chloro-Ipc, and Paraquat. *Genetica* 6: 31-37.

EcoReference No.: 26821

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

Talbert, R. E., Johnson, D. H., Wichert, R. A., and Kendig, J. A. (1987). Field Evaluations of Herbicides on Small Fruit and Vegetable Crops, 1987. *Ark.Agric.Exp.Stn.Res.Ser.#364* 25 p.

EcoReference No.: 73744

Chemical of Concern:

HXZ,GYP,OXF,ACF,OYZ,SZ,CYC,PHMD,DEE,MBZ,DMM,ACR,BS,NPM,NPP,EFL,FZP,IMQ,CMZ,I ZT,FZFPB,MTL,SXD,FSF,EPTC,TFN,BT,PAQT,TRB; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE(SXD,PHMD),OK(ALL CHEMS),TARGET(CMZ,OYZ,FSF,HXZ,MYL,SZ,BS,GYP,OXF,EPTC,ACR,PAQT).

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

EcoReference No.: 73915

Chemical of Concern:

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

Talbert, R. E., Tierney, M. J., Burgos, N. R., Strebe, T. A., Curless, J. K., and Miesner, J. (1996). Field Evaluations of Herbicides on Small Fruit Vegetable and Ornamental Crops 1995. *Ark.Agric.Exp.Stn.Res.Ser.* 452: 1-38.

EcoReference No.: 73745

Chemical of Concern:

MTL,MBZ,DMM,BT,24DXY,EPTC,GYP,OYZ,DU,TPZ,OXF,ACF,TFN,CYC,CMZ,FTS,FZF,IZT,FSF,C PR,DCPA,HSF,PRM,SXD,CPP,NPP,DDP,ACO,GFSNH,PAQT,PHMD,PMR; Habitat: T; Effect Codes:

PHY,POP; Rejection Code: LITE EVAL  
CODED(SXD,PHMD),TARGET(MTL,24DXY,CMZ,OYZ,FSF,GYP,OXF,EPTC,GFSNH,FTS,DU,DCP  
A,PAQT).

Talbert, R. E., Tierney, M. J., Burgos, N. R., Strebe, T. A., and Kitt, M. J. (1995). Field Evaluation of Herbicides on Small Fruit, Vegetable and Ornamental Crops, 1994. *Ark.Agric.Exp.Stn.Res.Ser.#447* 53 p.

EcoReference No.: 73916

Chemical of Concern:

BT, CPP, CLT, CMZ, CPR, CYC, DCPA, DDP, DEE, DMM, DU, EPTC, EFL, FZP, FTS, FSF, GFS, GYP, IZT, ML  
X, Cu, MTL, MBZ, NPP, OYZ, PQT, PMD, PHMD, QNC, SXD, SFZ, TPZ, TPR, TFN, 24DXY; Habitat: T; Effect Codes: POP, PHY; Rejection Code: LITE EVAL CODED(MTL, PHMD), NO MIXTURE(SXD), NO  
COC(Ziram), TARGET(24DXY, CMZ, OYZ, FSF, GYP, EPTC,  
GFS, CLT, DU, FTS, QNC, CLT, DCPA, PQT, SFZ).

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

EcoReference No.: 70441

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

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, OYZ, LNR, OXF, ACR, PQT).

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), TARGET(PAQT).

Unamma, R. P. A. and Melifonwu, A. A. (1986). Herbicides for 'Seed' Yam Production from 'Minisett' in the Rainforest Zone of Nigeria. *Weed Res.* 26: 115-120.

EcoReference No.: 31108

Chemical of Concern: SZ, ACR, BTC, DU, PAQT, FMV, ATZ, LNR, MTL; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(SZ, ATZ, MTL, LNR, DU, ACR, PAQT).

Weaver, S., Downs, M., and Neufeld, B. (2004). Response of Paraquat-Resistant and -Susceptible Horseweed (*Conyza canadensis*) to Diquat, Linuron, and Oxfluorfen. *Weed Sci.* 52: 549-553.

Chemical of Concern: LNR, PAQT; Habitat: T; Rejection Code: TARGET(LNR, PAQT).

Weber, J. B., Best, J. A., and Gonese, J. U. (1993). Bioavailability and Bioactivity of Sorbed Organic Chemicals. *SSSA Spec.Publ.* 32: 153-196.

EcoReference No.: 70824

Chemical of Concern: ATZ, DBN, PQT, 24DXY, PYZ; Habitat: T; Effect Codes: ACC, POP; Rejection

Code: NO COC(SZ,ATZ),TARGET(24DXY,PQT).

Wehtje, G., McGuire, J. A., Walker, R. H., and Patterson, M. G. (1986). Texas Panicum (Panicum Texanum) Control in Peanuts (Arachis Hypogae) with Paraquat. *Weed Sci.* 34: 308-311.

EcoReference No.: 31387

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

Wicks, G. A., Martin, A. R., Haack, A. E., and Mahnken, G. W. (1994). Control of Triazine-Resistant Kochia (Kochia scoparia) in Sorghum (Sorghum bicolor). *Weed Technol.* 8: 748-753.

EcoReference No.: 73946

Chemical of Concern: ATZ,PYD,GYP,24DXY,PAQT,LNR,BT,DMB,BMN; Habitat: T; Effect Codes: POP,PHY; Rejection Code: NO COC(MTL),OK(24DXY),TARGET(DMB,ATZ,LNR,GYP,PAQT).

Wilcut, J. W., Richburg III, J. S., Wiley, G., Walls, F. R. Jr., Jones, S. R., and Iverson, M. J. (1994). Imidazolinone Herbicide Systems for Peanut (Arachis hypogaea L.). *Peanut Sci.* 21: 23-28.

EcoReference No.: 73774

Chemical of Concern: MTL,ACR,IZT,LCF,PAQT,PYD; Habitat: T; Effect Codes: POP,PHY; Rejection Code: NO MIXTURE(MTL,ACR),TARGET(LCF,PAQT).

Wilson, H. P., Hines, T. E., Bellinder, R. R., and Grande, J. A. (1985). Comparisons of HOE-39866, SC-0224, Paraquat, and Glyphosate in No-Till Corn (Zea mays). *Weed Sci.* 33: 531-536.

EcoReference No.: 31424

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

Wilson, R. G. (1997). Downy Brome (Bromus tectorum) Control in Established Alfalfa (Medicago sativa). *Weed Technol.* 11: 277-282.

Chemical of Concern: HXZ,PZM,PQT,GYP; Habitat: T; Rejection Code: EFFICACY(HXZ,PQT,PZM).

Xia, X. J., Huang, Y. Y., Wang, L., Huang, L. F., Yu, Y. L., Zhou, Y. H., and Yu, J. Q. (2006). Pesticides-Induced Depression of Photosynthesis was Alleviated by 24-Epibrassinolide Pretreatment in Cucumis sativus L. *Pestic.Biochem.Physiol.* 86: 42-48.

EcoReference No.: 93531

Chemical of Concern: ABM,CPY,FZFPB,HFP,FUZ,CYZ,IMC; Habitat: T; Effect Codes: PHY,BCM; Rejection Code: LITE EVAL CODED(CPY,IMC),TARGET(PAQT).

Yu, G. Y., Wang, G. P., and He, C. Q. (2000). Comparison of Physiological Responses to Oxidative and Heavy Metal Stress in Seedlings of Rice Paddy, Oryza sativa L. *J.Environ.Sci.* 12: 458-462.

EcoReference No.: 71450

Chemical of Concern: CdCl<sub>2</sub>,HOX,PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: TARGET (PQT,HOX).

Yu, Q., Cairns, A., and Powles, S. B. (2004). Paraquat Resistance in a Population of Lolium rigidum. *Funct.Plant Biol.* 31: 247-254.

EcoReference No.: 82433

Chemical of Concern: GYP,SMU,SXD,FZF,DFPM,PAQT,ATZ,CSF,DU; Habitat: T; Effect Codes: BCM,ACC,GRO; Rejection Code: TARGET(ATZ,SMU,GYP,DU,PAQT).

Zarnstorff, M. E., Chamblee, D. S., Mueller, J. P., and Campbell, W. V. (1992). Autumn Sward Suppression and Insect Control Effects on Late-Winter No-Till Establishment of Ladino Clover. *Agron.J.* 84: 983-987.

EcoReference No.: 104785

Chemical of Concern: ADC,PAQT,CBF,MCB; Habitat: T; Effect Codes: GRO,POP; Rejection Code: OK(MCB),EFFICACY(CBF,ADC,PAQT).

Zemanek, J. (1973). Effect of Paraquat and Diquat Application on Seed Germination of Weeds. *Ochr Rostln* 9: 300-301.

EcoReference No.: 29751

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

**Acceptable for EcoTox but not OPP:** The rejection codes for these studies are presented earlier in the document, and include reasons such as no control, in a foreign language, and no endpoint. These studies are included within ECOTOX but do not hold up to our standards.

Abou-El-Hassan, A. A., Zidan, Z. H., Zidan, A. A., El-Zemaity, M. S., and Ragab, F. M. (1990). Molluscicidal Activities of Certain Herbicides Against Schistosomiasis Snail Vectors. *Egypt.J.Bilharz.* 12: 133-144.

EcoReference No.: 61873

Chemical of Concern: 24D,DU,CuS,NSM.PQT; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).

Abrashev, R., Dolashka, P., Christova, R., Stefanova, L., and Angelova, M. (2005). Role of Antioxidant Enzymes in Survival of Conidiospores of *Aspergillus niger* 26 Under Conditions of Temperature Stress. *J.Appl.Microbiol.* 99: 902-909.

EcoReference No.: 104597

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

Alabaster, J. S. (1967). Estimating the Effect of Herbicides on Fish. *Proc.Eur.Weed Res.Counc.Symp.* 3 p.

EcoReference No.: 68543

Chemical of Concern: PQT,SZ,24DXY,MLH; Habitat: A; Effect Codes: MOR; Rejection Code: NO ENDPOINT,CONTROL(ALL CHEMS).

Alabaster, J. S. (1969). Survival of Fish in 164 Herbicides, Insecticides, Fungicides, Wetting Agents and Miscellaneous Substances. *Int.Pest Control* 11: 29-35 (Author Communication Used).

EcoReference No.: 542

Chemical of Concern:

24DXY,ATZ,CMPH,DBN,DZ,PQT,SZ,ACL,DZM,TFN,TBTO,PYZ,FUR,NaPCP,MCP1,MTAS,BRA,MLH; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(ATZ),NO CONTROL(ALL CHEMS).

Allen, R. G., Newton, R. K., Farmer, K. J., and Nations, C. (1985). Effects of the Free Radical Generator Paraquat on Differentiation, Superoxide Dismutase, Glutathione and Inorganic Peroxides in Microplasmodia of *Physarum polycephalum*. *Cell Tissue Kinet.* 18: 623-630.

EcoReference No.: 104657

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

Alonso, J. M., Hirayama, T., Roman, G., Nourizadeh, S., and Ecker, J. R. (1999). EIN2, a Bifunctional Transducer of Ethylene and Stress Responses in Arabidopsis. *Science* 284: 2148-2152.

EcoReference No.: 104356

Chemical of Concern: ETL,PAQT; Habitat: T; Effect Codes: CEL,GRO; Rejection Code: NO  
ENDPOINT(ETL),TARGET(PAQT).

Ananieva, E. A., Alexieva, V. S., and Popova, L. P. (2002). Treatment with Salicylic Acid Decreases the Effects of Paraquat on Photosynthesis. *J.Plant Physiol.* 159: 685-693.

EcoReference No.: 83293

Chemical of Concern: SCA,PAQT; Habitat: T; Effect Codes: PHY; Rejection Code: NO  
ENDPOINT(ALL CHEMS).

Anderson, S. P., Howroyd, P., Liu, J., Qian, X., Bahnemann, R., Swanson, C., Kwak, M. K., Kensler, T. W., and Corton, J. C. (2004). The Transcriptional Response to a Peroxisome Proliferator-Activated Receptor alpha Agonist Includes Increased Expression of Proteome Maintenance Genes. *J.Biol.Chem.* 279: 52390-52398.

EcoReference No.: 107089

Chemical of Concern: Cd,PAQT,CTC; Habitat: T; Effect Codes: CEL; Rejection Code: NO IN  
VITRO(PAQT).

Angelova, M. B., Genova, L. K., Slokoska, L. S., and Pashova, S. B. (1995). Effect of Glucose on the Superoxide Dismutase Production in Fungal Strain Humicola lutea. *Can.J.Microbiol.* 41: 978-983.

EcoReference No.: 104782

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

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,Zn,MZB,CBD; Habitat: A; Effect Codes: MOR; Rejection Code:  
NO ENDPOINT(MP,PQT,Zn,MZB),NO ENDPOINT,NO CONTROL(ATZ,CBD,PQT).

Ariyama, J., Shimada, H., Aono, M., Tsuchida, H., and Hirai, K. I. (2000). Propofol Improves Recovery from Paraquat Acute Toxicity In Vitro and In Vivo. *Intensive Care Med.* 26: 981-987.

EcoReference No.: 104918

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

Arkblad, E. L., Tuck, S., Pestov, N. B., Dmitriev, R. I., Kostina, M. B., Stenvall, J., Tranberg, M., and Rydstrom, J. (2005). A Caenorhabditis elegans Mutant Lacking Functional Nicotinamide Nucleotide Transhydrogenase Displays Increased Sensitivity to Oxidative Stress. *Free Rad.Biol.Med.* 38: 1518-1525.

EcoReference No.: 104962

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

Arsenovic, M., Stankovic, A., Dimitrijevic, M., and Konstantinovic, B. (1982). Investigations into the Control of Submersed Vegetation in an Irrigation System by Specific Herbicides. *In: Proc.6th Int.Symp.on*



*Aquat. Weeds, EWRS, Faculty of Agriculture, Osijek, Yugoslavia* 177-184.

EcoReference No.: 14827

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

Artetxe, U., Hernandez, A., Garcia-Plazaola, J. I., and Becerril, J. M. (2006). Do Light Acclimation Mechanisms Reduce the Effects of Light-Dependent Herbicides in Duckweed (*Lemna minor*)? *Weed Sci.* 54: 230-236.

EcoReference No.: 107568

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

Arunlertarce, C. and Kawatsu, H. (1992). Acute Toxicity of Paraquat to Various Developmental Stages of Common Carp, *Cyprinus carpio* Linnaeus. *Fish Pathol.(Gyobyo Kenkyu)* 27: 63-68.

EcoReference No.: 9621

Chemical of Concern: PQT; Habitat: A; Effect Codes: MOR,CEL; Rejection Code: NO  
ENDPOINT,NO CONTROL(PQT).

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,PQT; Habitat: T; Effect Codes: PHY,CEL,BCM; Rejection Code: NO  
ENDPOINT,NO CONTROL(24DXY,ATZ,BMC,DBN,TFN,PAQT,EPTC,PQT).

Asma, D. and Yesilada, O. (2002). Effect of Paraquat on Cellular Defense Enzymes and Glutathione Level of *Funalia trogii*. *Folia Microbiol.* 47: 413-416.

EcoReference No.: 104963

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

Asztalos, B. (1986). LDH Enzyme As a Tool on Monitoring Tissue Necrosis in Fishes Caused by Pesticides. *Acta Biol.Hung.* 37: 59-65.

EcoReference No.: 7918

Chemical of Concern: MDT,PQT,CuS; Habitat: A; Effect Codes: BCM; Rejection Code: NO  
ENDPOINT(MDT,PQT,CuS).

Asztalos, B., Nemcsok, J., Benedeczy, I., Gabriel, R., and Szabo, A. (1988). Comparison of Effects of Paraquat and Methidation on Enzyme Activity and Tissue Necrosis of Carp, Following Exposure to the Pesticides Singly or in Combination. *Environ.Pollut.* 55: 123-135.

EcoReference No.: 13189

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

Asztalos, B., Nemcsok, J., Benedeczy, I., Gabriel, R., Szabo, A., and Refaie, O. J. (1990). The Effects of Pesticides on Some Biochemical Parameters of Carp (*Cyprinus carpio* L.). *Arch.Environ.Contam.Toxicol.* 19: 275-282.

EcoReference No.: 3205

Chemical of Concern: MDT,PQT,CuS; Habitat: A; Effect Codes: CEL,BCM,MOR; Rejection Code:

LITE EVAL CODED(CuS),OK(MDT),NO ENDPOINT,NO CONTROL(PQT).

Autor, A. P. and Schmitt, S. L. (1977). Pulmonary Fibrosis and Paraquat Toxicity. In: A.P.Autor (Ed.), *Biochemical Mechanisms of Paraquat Toxicity*, Academic Press, New York 175-186.

EcoReference No.: 105467

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

Babiychuk, E., Kushnir, S., Belles-Boix, E., Van Montagu, M., and Inze, D. (1995). Arabidopsis thaliana NADPH Oxidoreductase Homologs Confer Tolerance of Yeasts Toward the Thiol-Oxidizing Drug Diamide. *J.Biol.Chem.* 270: 26224-26231.

EcoReference No.: 104355

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

Bagchi, D., Bagchi, M., Hassoun, E. A., and Stohs, S. J. (1993). Detection of Paraquat-Induced In Vivo Lipid Peroxidation by Gas Chromatography/Mass Spectrometry and high-Pressure Liquid Chromatography. *J.Anal.Toxicol.* 17: 411-414.

EcoReference No.: 104404

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

Bagetta, G., Corasaniti, M. T., Iannone, M., Nistico, G., and Stephenson, J. D. (1992). Production of Limbic Motor Seizures and Brain Damage by Systemic and Intracerebral Injections of Paraquat in Rats. *Pharmacol.Toxicol.* 71: 443-448.

EcoReference No.: 105094

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

Bai, Z., Harvey, L. M., and McNeil, B. (2001). Use of the Chemiluminescent Probe Lucigenin to Monitor the Production of the Superoxide Anion Radical in a Recombinant *Aspergillus niger* (B1-D). *Biotechnol.Bioeng.* 75: 204-211.

EcoReference No.: 104357

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

Bainova, A. and Vulcheva, V. (1977). Lung Changes After Chronic Paraquat Intoxication. *C.R.Acad.Bulg.Sci.* 30: 1787-1790.

EcoReference No.: 104848

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

Baird, D. D., Shaulis, H. J., and Waywell, C. G. (1974). Glyphosate for Herbaceous Weed Control in Northeastern Apple Orchards and Vineyards. *Proc.Northeast.Weed Sci.Soc.* 28: 205-212.

EcoReference No.: 41099

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

Baird, D. D., Upchurch, R. P., and Selleck, G. W. (1972). Phosphonomethyl Glycine, a new Broad-Spectrum, Postemergence Herbicide. *Proc.Calif.Weed Conf.* 24: 94-102.

EcoReference No.: 41900

Chemical of Concern: SZ,TRB,24DXY,PAQT,MSMA,GYP; Habitat: T; Effect Codes:

MOR,PHY,GRO,POP; Rejection Code: NO ENDPOINT,NO  
CONTROL(GYP,SZ,TRB,24DXY,PAQT,MSMA).

Bakale, V. L. and Kolhe, R. L. (1982). Effect of Herbicides on Meiosis in *Solanum surattense* Burm. F. *Bio Vigyanam* 8: 7-9.

EcoReference No.: 25761

Chemical of Concern: 24DXY,PQT,BMC; Habitat: T; Effect Codes: CEL; Rejection Code: NO  
ENDPOINT(24DXY,PQT,TARGET-BMC).

Baldal, E. A., Baktawar, W., Brakefield, P. M., and Zwaan, B. J. (2006). Methuselah Life History in a Variety of Conditions, Implications for the Use of Mutants in Longevity Research. *Exp.Gerontol.* 41: 1126-1135.

EcoReference No.: 105470

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

Banks, P. A., Kirby, M. A., and Santelmann, P. W. (1977). Influence of Postemergence and Subsurface Layered Herbicides on Horsenettle and Peanuts. *Weed Sci.* 25: 5-8.

EcoReference No.: 41434

Chemical of Concern: TFN,NPM,GYP,PCL,DMB,PAQT,AMTL,24DXY,PQT; Habitat: T; Effect Codes:  
PHY; Rejection Code: TARGET(DMB),OK(TFN,NPM,PCL,PAQT,AMTL),NO ENDPOINT,NO  
CONTROL(GYP,24DXY,PQT).

Barabas, K., Berencsi, G., Szabo, L., Varga, S. I., and Matkovics, B. (1980). Enhancing Effect of Aminotriazole on Paraquat Toxicity In Vivo. *Gen.Pharmacol.* 11: 569-572 .

EcoReference No.: 107789

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: NO MIXTURE(PAQT).

Barabas, K., Matkovics, B., and Berencsi, G. (1983). New Considerations on the Time-Dependence of Toxic Changes Caused by Paraquat Poisoning. *Gen.Pharmacol.* 14: 381-383 .

EcoReference No.: 104921

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

Barabas, K., Matkovics, B., Szabo, L., Varga, S. I., Vigh, L., Horvath, I., and Berencsi, G. (1983). Changes Induced by Gramoxon in Tissue Phospholipids and Phospholipid Fatty Acids in Mouse and Guinea-Pig. *Gen.Pharmacol.* 14: 541-544.

EcoReference No.: 104920

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

Barabas, K., Szabo, L., Varga, S. I., Berencsi, G., Bartkowiak, A., and Matkovics, B. (1982). Study of the Effects of Paraquat on the Peroxide Metabolism Enzymes in Guinea-Pig. *Gen.Pharmacol.* 13: 133-137.

EcoReference No.: 104919

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

Barabas, K., Vigh, L., Horvath, I., Szabo, L., and Matkovics, B. (1981). Effects of Paraquat In Vivo on Fatty Acids of Mouse and Guinea Pig Tissues. *Gen.Pharmacol.* 12: 225-227.

EcoReference No.: 104837

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

Barker, G. M. (1990). Pasture Renovation: Interactions of Vegetation Control with Slug and Insect Infestations. *J.Agric.Sci.* 115: 195-202.

EcoReference No.: 96998

Chemical of Concern: GYP,PAQT; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL  
CODED(GYP),NO ENDPOINT(PAQT).

Barlow, B. K., Thiruchelvam, M. J., Bennice, L., Cory-Slechta, D. A., Ballatori, N., and Richfield, E. K. (2003). Increased Synaptosomal Dopamine Content and Brain Concentration of Paraquat Produced by Selective Dithiocarbamates. *J.Neurochem.* 85: 1075-1086.

EcoReference No.: 96390

Chemical of Concern: PAQT,Maneb,Ziram,Zineb,MTAS; Habitat: T; Effect Codes: BCM,ACC;  
Rejection Code: NO MIXTURE(MTAS,Maneb,Ziram,Zineb,PAQT),NO CONTROL(ALL CHEMS).

Barnes, D. L. and Lynd, J. Q. (1967). Factors in Paraquat-Induced Chlorosis with Phaseolus Foliar Tissues. *Agron.J.* 59: 364-366.

EcoReference No.: 43407

Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Barton, C. C., Bucci, T. J., Lomax, L. G., Warbritton, A. G., and Mehendale, H. M. (2000). Stimulated Pulmonary Cell Hyperplasia Underlies Resistance to alpha-Naphthylthiourea. *Toxicology* 143: 167-181.

EcoReference No.: 104430

Chemical of Concern: ANTU,PAQT; Habitat: T; Effect Codes: MOR,CEL,PHY; Rejection Code: NO  
CONTROL(PAQT).

Bastos, C. S., De Almeida, R. P., and Suinaga, F. A. (2006). Selectivity of Pesticides Used on Cotton (*Gossypium hirsutum*) to *Trichogramma pretiosum* Reared on Two Laboratory-Reared Hosts. *Pest Manag.Sci.* 62: 91-98.

EcoReference No.: 88020

Chemical of Concern:

ZCYP,TAP,PFF,CYP,AZX,CBD,THM,CMZ,DFZ,ES,LUF,MQC,NVL,PAQT,DU,DM,MTM; Habitat:  
T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL  
CODED(CMZ,ES),TARGET(MTM,CYP),NO MIXTURE(DU,THM,PAQT),OK(CBD).

Bauer Dial, C. A. and Dial, N. A. (1995). Lethal Effects of the Consumption of Field Levels of Paraquat-Contaminated Plants on Frog Tadpoles. *Bull.EnvIRON.Contam.Toxicol.* 55: 870-877.

EcoReference No.: 16123

Chemical of Concern: PQT; Habitat: A; Rejection Code: NO ENDPOINT(PQT).

Baur, J. R. and Bovey, R. W. (1975). Herbicidal Effects of Tebuthiuron and Glyphosate. *Agron.J.* 67: 547-553.

EcoReference No.: 40689

Chemical of Concern: EDT,GYP,TET,PQT; Habitat: T; Effect Codes: GRO,MOR; Rejection Code: NO  
ENDPOINT,NO CONTROL(GYP,PQT).

Baynova, A. and Anadolliiska, A. (1969). Changes in the Acid-Base Metabolism in Acute Paraquat Intoxication. *Dokl.Bulg.Acad.Nauk* 22: 221-224.

EcoReference No.: 104826

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

Belander, G. and Winch, J. E. (1985). Herbicides for Sod-Seeding Legumes on Shallow Soil Pastures. *Can.J.Plant Sci.* 65: 1049-1055.

EcoReference No.: 44163

Chemical of Concern: GYP,MFD,FZFB,PAQT,PQT; Habitat: T; Effect Codes: POP,BCM; Rejection Code: OK(FZFB,PAQT),TARGET(MFD),NO ENDPOINT,NO CONTROL(GYP,PQT).

Benedeczky, I., Nemcsok, J., and Halasy, K. (1986). Electronmicroscopic Analysis of the Cytopathological Effect of Pesticides in the Liver, Kidney and Gill Tissues of Carp. *Acta Biol.Szeged.* 32: 69-92.

EcoReference No.: 5691

Chemical of Concern: PAQT,CuS,MDT; Habitat: A; Effect Codes: CEL; Rejection Code: NO  
ENDPOINT(PAQT,CuS).

Benijts-Claus, C. and Persoone, G. (1975). The Influence of the Formulation of the Herbicide Paraquat on its Toxicity for Aquatic Organisms. *Meded.Fac.Landbouww.Univ.Gent* 40: 1161-1173.

EcoReference No.: 7206

Chemical of Concern: PQT; Habitat: A; Rejection Code: NO CONTROL(PQT).

Benijts-Claus, C. and Persoone, G. (1975). Toxicity of Three Herbicides in the Aquatic Ecosystem (La Toxicite de Trois Herbicides sur L'Ecosysteme Aquatique). *La Tribune Du Cereveau* 28(383):340-346 (FRE); *Pestic.Abstr.*9(7):526 (1976) (ABS).

EcoReference No.: 2877

Chemical of Concern: 24DXY,PQT; Habitat: A; Effect Codes: GRO,POP,MOR; Rejection Code: NO  
ENDPOINT,NO CONTROL(24DXY),NO CONTROL(PQT) .

Berruyer, C., Martin, F. M., Castellano, R., Macone, A., Malergue, F., Garrido-Urbani, S., Millet, V., Imbert, J., Dupre, S., Pitari, G., Naquet, P., and Galland, F. (2004). Vanin-1-/- Mice Exhibit a Glutathione-Mediated Tissue Resistance to Oxidative Stress. *Mol.Cell Biol.* 24: 7214-7224.

EcoReference No.: 104358

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR,CEL,BCM; Rejection Code: NO  
CONTROL(PAQT).

Best, E. P. H. and Wittenboer, J. P. (1978). Effects of Paraquat on Growth and Photosynthesis of Ceratophyllum demersum and Elodea canadensis. *In: Proc.EWRS 5th Symp.on Aquat.Weeds* 157-162.

EcoReference No.: 14792

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

Bhole, D., Allikian, M. J., and Tower, J. (2004). Doxycycline-Regulated Over-Expression of hsp22 has Negative Effects on Stress Resistance and Life Span in Adult Drosophila melanogaster. *Mech.Ageing Dev.* 125: 651-663.

EcoReference No.: 104836

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

Bhowmik, P., Mohasin, M., and Somchoudhury, A. K. (2004). Effect of Some Herbicides on an Agriculturally

Important Non-Target Fauna-Crabs, *Paratelphusa bouvieri* (Rathbum). *Environ.Ecol.* 22: 494-496.

EcoReference No.: 87936

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

Bhuyan, K. C., Bhuyan, D. K., and Podos, S. M. (1991). Free Radical Enhancer Xenobiotic is an Inducer of Cataract in Rabbit. *Free Radic.Res.Comm.* 12/13: 609-620.

EcoReference No.: 105466

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: NO IN VITRO(PQT).

Bills, T. D., Marking, L. L., and Howe, G. E. (1993). Sensitivity of Juvenile Striped Bass to Chemicals Used in Aquaculture. *Resour.Publ.*192, *Fish Wildl.Serv., U.S.D.I., Washington, DC* 11 p.

EcoReference No.: 2468

Chemical of Concern: SZ,GYP,BZC,Cd,Zn,Pb,Ni,PAQT,CuS,Cl,DBAC; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).

Birchem, R. and Brown, C. L. (1979). Ultrastructure of Paraquat-Treated Slash Pine (*Pinus Elliottii engelm*). *Am.J.Bot.* 66: 1208-1218.

EcoReference No.: 41441

Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Blackburn, R. D. (1963). Evaluating Herbicides Against Aquatic Weeds. *Weeds* 11: 21-24.

EcoReference No.: 4693

Chemical of Concern: EDT,PAQT,ACL; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).

Blackburn, R. D. and Weldon, L. W. (1965). The Sensitivity of Duckweeds (Lemnaceae) and Azolla to Diquat and Paraquat. *Weeds* 13: 147-149.

EcoReference No.: 27814

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

Blanck, H., Wallin, G., and Wangberg, S. A. (1984). Species-Dependent Variation in Algal Sensitivity to Chemical Compounds. *Ecotoxicol.Environ.Saf.* 8: 339-351.

EcoReference No.: 11239

Chemical of Concern: DU,GYP,NFZ,PAQT,TBTCl,CuS,HgCl<sub>2</sub>,As,PQT; Habitat: A; Effect Codes: GRO,POP; Rejection Code: NO CONTROL(DU,GYP,NFZ,PAQT,TBTCl,CuS,HgCl<sub>2</sub>,As,PQT).

Blum, J. and Fridovich, I. (1983). Superoxide, Hydrogen Peroxide, and Oxygen Toxicity in Two Free-Living Nematode Species. *Arch.Biochem.Biophys.* 222: 35-43.

EcoReference No.: 108219

Chemical of Concern: PAQT; Habitat: A; Effect Codes: MOR,BCM; Rejection Code: NO COC(HOX),NO ENDPOINT(PAQT).

Bojan, F., Nagy, A., and Herman, K. (1978). Effect of Butylated Hydroxytoluene and Paraquat on Urethan Tumorigenesis in Mouse Lung. *Bull.Environ.Contam.Toxicol.* 20: 573-576.

EcoReference No.: 104403

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

Bonilla, E., Medina-Leendertz, S., and Diaz, S. (2002). Extension of Life Span and Stress Resistance of *Drosophila melanogaster* by Long-Term Supplementation with Melatonin. *Exp.Gerontol.* 37: 629-638.

EcoReference No.: 105471

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

Bonilla, E., Medina-Leendertz, S., Villalobos, V., Molero, L., and Bohorquez, A. (2006 ). Paraquat-Induced Oxidative Stress in *Drosophila melanogaster*: Effects of Melatonin, Glutathione, Serotonin, Minocycline, Lipoic Acid and Ascorbic Acid. *Neurochem.Res.* 31: 1425-1432.

EcoReference No.: 104375

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

Bora, T. and Bezbaruah, B. (1992). Accelerated Transformation of Leaf-Litter Through Cellulolytic Bacteria and Fungi. *Indian J.Agric.Sci.* 62: 678-683.

EcoReference No.: 97497

Chemical of Concern: 24D,GYP,PQT; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT(24D,GYP,PQT).

Bovey, R. W., Baur, J. R., and Morton, H. L. (1970). Control of Huisache and Associated Woody Species in South Texas. *J.Range Manag.* 23: 47-50.

EcoReference No.: 43356

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

Bovey, R. W. and Miller, F. R. (1968). Desiccation and Defoliation of Plants by Different Herbicides and Mixtures. *Agron.J.* 60: 700-702.

EcoReference No.: 42932

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

Bowyer, J. R., Hallahan, B. J., Camilleri, P., and Howard, J. (1989). Mode of Action Studies on Nitrodiphenyl Ether Herbicides. II. The Role of Photosynthetic Electron Transport in *Scenedesmus obliquus*. *Plant Physiol.* 89: 674-680.

EcoReference No.: 104938

Chemical of Concern: PMT,DU,PAQT; Habitat: A; Effect Codes: BCM,PHY,GRO; Rejection Code: NO ENDPOINT(PMT,DU,PAQT).

Brand, R. M. and Jendrzewski, J. L. (2008). Chronic Ethanol Ingestion Alters Xenobiotic Absorption Through the Skin: Potential Role of Oxidative Stress. *Food Chem.Toxicol.* 46: 1940-1948.

EcoReference No.: 104351

Chemical of Concern: ETHN,PAQT,24D; Habitat: T; Effect Codes: PHY; Rejection Code: OK(ETHN),NO IN VITRO(PAQT,24D).

Brand, R. M., Jendrzewski, J. L., and Charron, A. R. (2007). Potential Mechanisms by Which a Single Drink of Alcohol can Increase Transdermal Absorption of Topically Applied Chemicals. *Toxicology* 235: 141-149.

EcoReference No.: 104350

Chemical of Concern: 24D,PAQT,ETHN; Habitat: T; Effect Codes: PHY; Rejection Code: OK(ETHN),NO IN VITRO(24D,PAQT).

Brand, R. M., Jendrzewski, J. L., Henery, E. M., and Charron, A. R. (2006). A Single Oral Dose of Ethanol can Alter Transdermal Absorption of Topically Applied Chemicals in Rats. *Toxicol.Sci.* 92: 349-355.

EcoReference No.: 96651

Chemical of Concern: PQT,DEET,ETHN; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(ALL CHEMS).

Bray, D. F., Bagu, J. R., and Nakamura, K. (1993). Ultrastructure of Chlamydomonas reinhardtii Following Exposure to Paraquat: Comparison of Wild Type and a Paraquat-Resistant Mutant. *Can.J.Bot.* 7: 174-182.

EcoReference No.: 16606

Chemical of Concern: PQT; Habitat: A; Rejection Code: NO ENDPOINT(PQT).

Brecke, B. J., Funderburk, J. E., Teare, I. D., and Gorbet, D. W. (1996). Interaction of Early-Season Herbicide Injury, Tobacco Thrips Injury, and Cultivar on Peanut. *Agron.J.* 88: 14-18.

EcoReference No.: 104681

Chemical of Concern: VNT,PAQT,ACR,ACP; Habitat: T; Effect Codes: POP; Rejection Code: OK(ACP),NO MIXTURE(PAQT,ACR).

Brigelius, R., Muckel, C., Akerboom, T. P. M., and Sies, H. (1983). Identification and Quantitation of Glutathione in Hepatic Protein Mixed Disulfides and Its Relationship to Glutathione Disulfide. *Biochem.Pharmacol.* 32: 2529-2534.

EcoReference No.: 104777

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

Brooker, M. P. and Edwards, R. W. (1973). The Use of a Herbicide in a Fisheries Reservoir. *J.Inst.Fish Manage.* 4: 102-108.

EcoReference No.: 14233

Chemical of Concern: PAQT; Habitat: AT; Effect Codes: ACC,POP; Rejection Code: NO ENDPOINT(PAQT).

Brooks, R. E. (1971). Ultrastructure of Lung Lesions Produced by Ingested Chemicals. I. Effect of the Herbicide Paraquat on Mouse Lung. *Lab.Investig.* 25: 536-545 .

EcoReference No.: 104964

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

Brown, C. F., Pratt, P. C., and Lynn, W. S. (1982). Characterization of Pulmonary Cellular Influx Differentials to Known Toxic Agents Between Species. *Inflammation* 6: 327-341.

EcoReference No.: 105093

Chemical of Concern: PAQT; Habitat: AT; Effect Codes: CEL,BCM,MOR,GRO; Rejection Code: NO ENDPOINT(PAQT).

Brown, M. W. and Glenn, D. M. (1999). Ground Cover Plants and Selective Insecticides as Pest Management Tools in Apple Orchards. *J.Econ.Entomol.* 92: 899-905.



EcoReference No.: 106089

Chemical of Concern: MOM,CPY,PAQT,AZ; Habitat: T; Effect Codes: GRO,POP; Rejection Code: NO ENDPOINT,NO CONTROL(PAQT,MOM,CPY,AZ).

Brown, O. R. and Seither, R. L. (1990). Paraquat Toxicity and Pyridine Nucleotide Coenzyme Synthesis: A Data Correction. *Free Radic.Biol.Med.* 8: 113-116.

EcoReference No.: 104779

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

Brown, S. M., Chandler, J. M., and Morrison, J. E. Jr. (1987). Weed Control in a Conservation Tillage Rotation in the Texas Blacklands. *Weed Sci.* 35: 695-699.

EcoReference No.: 78601

Chemical of Concern: PPZ,OYZ,CBF,GYP,ATZ,FZF,MTL,PQT,BMN; Habitat: T; Effect Codes: POP; Rejection Code: NO CONTROL(ALL CHEMS,TARGET-ATZ,MTL),TARGET(OYZ,GYP,PQT).

Bunck, C. M., Bunck, T. J., and Sileo, L. (1986). Discrimination Learning in Adult Bobwhite Quail fed Paraquat. *Environ.Toxicol.Chem.* 5: 295-298.

EcoReference No.: 40016

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

Bunn, K. E., Thompson, H. M., and Tarrant, K. A. (1996). Effects of Agrochemicals on the Immune Systems of Earthworms. *Bull.Environ.Contam.Toxicol.* 57: 632-639.

EcoReference No.: 40369

Chemical of Concern: PCZ,Captan,PIM,DS,PIRM,PAQT,CPP,PRO,PCB,DMT; Habitat: T; Effect Codes: IMM; Rejection Code: LITE EVAL CODED(DS,Captan),NO ENDPOINT(PIRM,PAQT). [Not enough information provided]

Burk, R. F., Lawrence, R. A., and Lane, J. M. (1980). Liver Necrosis and Lipid Peroxidation in the Rat as the Result of Paraquat and Diquat Administration. Effect of Selenium Deficiency. *J.Clin.Investig.* 65: 1024-1031.

EcoReference No.: 104178

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

Burkitt, M. J., Kadiiska, M. B., Hanna, P. M., Jordan, S. J., and Mason, R. P. (1993). Electron Spin Resonance Spin-Trapping Investigation into the Effects of Paraquat and Desferrioxamine on Hydroxyl Radical Generation During Acute Iron Poisoning. *Mol.Pharmacol.* 43: 257-263.

EcoReference No.: 105494

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

Burnet, A. M. R. (1972). Effects of Paraquat on Invertebrates in a Canterbury Stream, New Zealand. *N.Z.J.Mar.Freshw.Res.* 6: 448-455.

EcoReference No.: 104825

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

Butler II, C. (1975). Pulmonary Interstitial Fibrosis from Paraquat in the Hamster. *Arch.Pathol.* 99: 503-507.

EcoReference No.: 104952

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

Butler, P. A. (1964). Commercial Fishery Investigations. In: *Pesticide-Wildlife Studies, 1963, U.S.D.I., Fish and Wildl.Serv.,Circ.199* 28 p. (Author Communication Used).

EcoReference No.: 646

Chemical of Concern:

AZ,DS,HCCH,MLN,MP,Naled,PRT,24DXY,CMPH,DDVP,DMT,DU,PEB,PSM,NTP,TXP,CBL,TBF,EP TC,TMP,TVPM,DCTP,DCPA,ES,TCF,FNT,PQT; Habitat: A; Effect Codes: BEH,POP,MOR,GRO,ACC,SYS; Rejection Code: LITE EVAL CODED(MLN,PRT,ES),NO CONTROL(PSM,DS,MP,Naled,TMP,DU),NO ENDPOINT(DMT),NO ENDPOINT,NO CONTROL(EPTC,24DXY,TBF,CMPH,TVPM,DCTP,DCPA,DDVP,TCF,FNT,PQT).

Butler, P. A. (1965). Commercial Fishery Investigations. In: *Circular 226, Effects of Pesticides on Fish and Wildl., U.S.D.I., Washington, DC* 65-77.

EcoReference No.: 807

Chemical of Concern:

MLT,ATZ,PRO,BS,CMPH,DU,HCCH,PMT,PRT,ACC,NTP,DDT,MP,PAQT,ETN,EN,TMP,TVPM,OXD ,BSO,TCF,FNT,BTY,PQT; Habitat: A; Effect Codes: GRO,MOR,BEH; Rejection Code: LITE EVAL CODED(PRO),NO CONTROL(PRT,BS,MLT,ACL,Captan,TBF,CMPH),NO ENDPOINT,NO CONTROL(TMP,TVPM,OXD,BSO,DU,TCF,ATZ,FNT,PMT,BTY,PQT).

Cadenas, E., Arad, I. D., Fisher, A. B., Boveris, A., and Chance, B. (1980). Hydroperoxide-Induced Chemiluminescence of the Perfused Lung. *Biochem.J.* 192: 303-309.

EcoReference No.: 104353

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT(PAQT), NO COC (HOX).

Cadot, R., Descotes, J., Cuilleron, C. Y., Grenot, C., and Evreux, J. C. (1986). Evaluation of Active Specific Immunization Against Paraquat Toxicity in Rats. *Vet.Hum.Toxicol.* 28: 226-229.

EcoReference No.: 105457

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

Cadot, R., Descotes, J., Grenot, C., Cuilleron, C. Y., and Evreux, J. C. (1985). Increased Plasma Paraquat Levels in Intoxicated Mice Following Antiparaquat F(ab')<sub>2</sub> Treatment. *J.Immunopharmacol.* 7: 467-477.

EcoReference No.: 105468

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

Calleja, M. C., Persoone, G., and Geladi, P. (1994). Comparative Acute Toxicity of the First 50 Multicentre Evaluation of In Vitro Cytotoxicity Chemicals to Aquatic Non-Vertebrates. *Arch.Environ.Contam.Toxicol.* 26: 69-78.

EcoReference No.: 13669

Chemical of Concern:

24DXY,HCCH,MLN,WFN,PCP,Ba,CTC,PL,SFL,NCTN,LPS,PAQT,As,CuS,Hg,TI,CF,AMSV,PQT,NaCl ; Habitat: A; Effect Codes: MOR,PHY; Rejection Code: NO CONTROL(24DXY,HCCH,MLN,WFN,PCP,Ba,CTC,PL,SFL,NCTN,LPS,PAQT,As,CuS,Hg,TI,CF,AMS

V,PQT,NaCl).

Calo, M., Iannone, M., Passafaro, M., and Nistico, G. (1990). Selective Vulnerability of Hippocampal CA3 Neurones After Microinfusion of Paraquat into the Rat Substantia nigra or into the Ventral Tegmental Area. *J.Comp.Pathol.* 103: 73-78.

EcoReference No.: 106132

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

Candas, M., Sohal, R. S., Radyuk, S. N., Klichko, V. I., and Orr, W. C. (1997). Molecular Organization of the Glutathione Reductase Gene in *Drosophila melanogaster*. *Arch.Biochem.Biophys.* 339: 323-334.

EcoReference No.: 104376

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

Cetin, A. K. and Mert, N. (2005). The Effects of Paraquat on Population Growth of *Scenedesmus acutus*. *Fresenius Environ.Bull.* 14: 634-636.

EcoReference No.: 104385

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

Chandrashekar, K. R. and Kaveriappa, K. M. (1994). Effect of Pesticides on Sporulation and Germination of Conidia of Aquatic Hyphomycetes. *J.Environ.Biol.* 15: 315-324 .

EcoReference No.: 13517

Chemical of Concern: 24DXY,MLN,PQT,Zn,MZB,Captan,ES,CBD; Habitat: A; Effect Codes: REP,GRO; Rejection Code: NO ENDPOINT(Captan,24DXY,MLN,PQT,Zn,MZB,ES,CBD).

Chandrashekar, K. R. and Kaveriappa, K. M. (1989). Effect of Pesticides on the Growth of Aquatic Hyphomycetes. *Toxicol.Lett.* 48: 311-315.

EcoReference No.: 3076

Chemical of Concern: 24DXY,PQT,Zn,MANEB,Captan,MZB; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(Zn,MANEB,Captan,MZB),NO ENDPOINT,NO CONTROL(24DXY,PQT).

Chen, C. M., Su, B., Hsu, C. C., and Wang, L. F. (2002). Methylprednisolone Does Not Enhance the Surfactant Effects on Oxygenation and Histology in Paraquat-Induced Rat Lung Injury. *Intensive Care Med.* 28: 1138-1144.

EcoReference No.: 104949

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

Chen, C. M., Wang, L. F., Su, B., and Hsu, H. H. (2003). Methylprednisolone Effects on Oxygenation and Histology in a Rat Model of Acute Lung Injury. *Pulm.Pharmacol.Ther.* 16: 215-220.

EcoReference No.: 105464

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

Chu, K. H. and Lau, P. Y. (1994). Effects of Diazinon, Malathion, and Paraquat on the Behavioral Response of the Shrimp *Metapenaeus ensis* to Chemoattractants. *Bull.Environ.Contam.Toxicol.* 53: 127-133.

EcoReference No.: 13696

Chemical of Concern: DZ,MLN,AMSV,PQT,BZ; Habitat: A; Effect Codes: BEH; Rejection Code: LITE EVAL CODED(DZ,AMSV),OK(BZ),NO ENDPOINT(MLN,PQT).

Chui, Y. C., Poon, G., and Law, F. (1988). Toxicokinetics and Bioavailability of Paraquat in Rats Following Different Routes of Administration. *Toxicol.Ind.Health* 4: 203-219.

EcoReference No.: 105092

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

Clare, D. A., Rabinowitch, H. D., and Fridovich, I. (1984). Superoxide Dismutase and Chilling Injury in *Chlorella ellipsoidea*. *Arch.Biochem.Biophys.* 231: 158-163.

EcoReference No.: 105465

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

Clark, D. G. (1971). Inhibition of the Absorption of Paraquat from the Gastrointestinal Tract by Adsorbents. *Br.J.Ind.Med.* 28: 186-188.

EcoReference No.: 104778

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

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).

Clay, D. V. and West, T. M. (1987). The Response of Traizine Resistant and Susceptible Biotypes of *Erigeron canadensis* to 23 Herbicides. *Meded.Fac.Landbouwk.Rijksuniv.Gent* 52: 1195-1206.

EcoReference No.: 70179

Chemical of Concern:

SZ,PHMD,GYP,AMTL,24DXY,TPR,OYZ,CPR,PCH,DU,NPP,OXF,NFZ,ODZ,PDM,PAQT,PYD,IZP,FX P; Habitat: T; Effect Codes: PHY,GRO; Rejection Code: NO ENDPOINT(ALL CHEMS),TARGET(IZP,OYZ,GYP,OXF,NFZ,DU,24DXY,PDM,PAQT).

Coler, R. A., Watanabe, T., Xavier, B. F., and Paz, R. J. (1999). A Preliminary Report on the Application of *Macrobrachium amazonicum* Heller, 1862 (Decapoda: Palaemonidae) as a Biomarker. *Hydrobiologia* 412: 119-121.

EcoReference No.: 104377

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

Cooper, S. L., Wingfield, G. I., Lawley, R., and Greaves, M. P. (1978). Miniaturized Methods for Testing the Toxicity of Pesticides to Microorganisms. *Weed Res.* 18: 105-107.

EcoReference No.: 104824

Chemical of Concern: GYP,PAQT,MCPPI; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT(GYP,PAQT,MCPPI).

Cope, O. B. (1966). Contamination of the Freshwater Ecosystem by Pesticides. *J.Appl.Ecol.* 3: 33-44 (Publ in Part As 6797).

EcoReference No.: 10337

Chemical of Concern:

DDT,HCCH,DLDD,DU,MLN,24DXY,CBL,DBN,DZ,MLT,PAQT,PYN,TFN,CuS,PQT; Habitat: A; Effect Codes: MOR,ACC,REP; Rejection Code: NO CONTROL(ALL CHEMS),NO ENDPOINT,NO CONTROL(PQT).

Cope, O. B. (1965). Effects on Pesticides on Fish and Wildlife: 1864 Findings of the Fish and Wildlife Services, Washington DC. *Fish and Wildl.Serv.Cicr.226, Fish and Wildlife Service, Washington, D.C.*: 77 p. (Publ in Part As 6797).

EcoReference No.: 2871

Chemical of Concern:

CHD,CuS,PAQT,MCB,TFN,DBN,DZ,AND,PYN,HPT,EN,DLDD,HCCH,EPRN,DDT,TXP,MRT,VNT,CU, ATN,DU,SZ,MLN,RTN,MXC,DDVP,DMT,FNTH,TCF,ADC,CBL,BS,DBM,FNF,24DXY,AMSV,DBAC ,NSM,BYT,MVP,PPG,TMP,BSO,DDVP,Naled,FNT,BTY,PQT; Habitat: A; Effect Codes: MOR,BCM; Rejection Code: NO CONTROL(RTN,PPG,24DXY,Naled,BS,MLN,TMP,BSO,DZ,DU,DDVP,TCF,FNT,BTY,PQT).

Corasaniti, M. T., Bagetta, G., Rodino, P., Gratterer, S., and Nistico, G. (1992). Neurotoxic Effects Induced by Intracerebral and Systemic Injection of Paraquat in Rats. *Hum.Exp.Toxicol.* 11: 535-539.

EcoReference No.: 106096

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

Corasaniti, M. T., Defilippo, R., Rodino, P., Nappi, G., and Nistico, G. (1991). Evidence that Paraquat is able to Cross the Blood-Brain Barrier to a Different Extent in Rats of Various Age. *Funct.Neurol.* 6 : 385-391.

EcoReference No.: 106315

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

Corasaniti, M. T. and Nistico, G. (1993). Determination of Paraquat in Rat Brain by high-Performance Liquid Chromatography. *J.Chromatogr.* 643: 419-425.

EcoReference No.: 104378

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

Corasaniti, M. T., Strongoli, M. C., Pisanelli, A., Bruno, P., Rotiroli, D., Nappi, G., and Nistico, G. (1992). Distribution of Paraquat into the Brain After Its Systemic Injection in Rats. *Funct.Neurol.* 7 : 51-56.

EcoReference No.: 106317

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

Crawford, R. B. and Guarino, A. M. (1985). Effects of Environmental Toxicants on Development of a Teleost Embryo. *J.Environ.Pathol.Toxicol.* 6: 185-194.

EcoReference No.: 14348

Chemical of Concern: TXP,AND,MLN,24DXY,PCP,CBL,HCCH,PRN,DDT,PAQT,PQT; Habitat: A; Effect Codes: GRO,MOR; Rejection Code: NO ENDPOINT,NO CONTROL(ALL CHEMS).

Cserjesi, A. J. and Roff, J. W. (1975). Toxicity Tests of Some Chemicals Against Certain Wood-Staining Fungi. *Int.Biodeterior.Bull.* 11: 90-96.

EcoReference No.: 82118

Chemical of Concern: BBN,CBX,OXC,TBA,BMY,TBTO,PAQT,PCP; Habitat: T; Effect Codes: GRO,POP; Rejection Code: NO ENDPOINT(ALL CHEMS),TARGET(BMY).

Cullimore, D. R. (1975). The In Vitro Sensitivity of Some Species of Chlorophyceae to a Selected Range of Herbicides. *Weed Res.* 15: 401-406.

EcoReference No.: 4871

Chemical of Concern: DU,LNR,PAQT,24DXY,BMC,BMN,DBN,DMB,PCL; Habitat: A; Effect Codes: POP; Rejection Code: NO CONTROL,ENDPOINT(ALL CHEMS).

Damanakis, M. (1970). A Bioassay for the Determination of Low Concentrations of Paraquat. *Weed Res.* 10: 77-80.

EcoReference No.: 107324

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

Daniel, J. W. and Gage, J. C. (1966). Absorbtion and Excretion of Diquat and Paraquat in Rats. *Br.J.Ind.Med.* 23: 133-136.

EcoReference No.: 107788

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

Dash, B., Metz, R., Huebner, H. J., Porter, W., and Phillips, T. D. (2006). Molecular Characterization of Phospholipid Hydroperoxide Glutathione Peroxidases from *Hydra vulgaris*. *Gene* 381: 1-12.

EcoReference No.: 102218

Chemical of Concern: CuS,CdCl,ZnCl,Cr,As,Se,PAQT; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT(All Chems).

Dash, B., Metz, R., Huebner, H. J., Porter, W., and Phillips, T. D. (2007). Molecular Characterization of Two Superoxide Dismutases from *Hydra vulgaris*. *Gene* 387: 93-108.

EcoReference No.: 102219

Chemical of Concern: CuS,CdCl,ZnCl,Cr,As,Se,PAQT; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT(All Chems).

DaSilva, E. J., Henriksson, L. E., and Henriksson, E. (1975). Effect of Pesticides on Blue-Green Algae and Nitrogen-Fixation . *Arch.Environ.Contam.Toxicol.* 3: 193-204.

EcoReference No.: 7753

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

Davis, J. T. and Hughes, J. S. (1963). Further Observations on the Toxicity of Commercial Herbicides to Bluegill Sunfish. *In: Proc.16th Annu.Meeting Southern Weed Conf.* 337-340 (Used Ref 612).

EcoReference No.: 2787

Chemical of Concern: EDT,24DXY,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(PQT).

De Silva, C. D. and Ranasinghe, J. (1989). Toxicity of Four Commonly Used Agrochemicals on *Oreochromis*

niloticus (L.) Fry. *Asian Fish.Sci.* 2: 135-145.

EcoReference No.: 9481

Chemical of Concern: PQT; Habitat: A; Rejection Code: NO CONTROL(PQT).

Diaz, M. A., Chueca, A., and Gorge, J. L. (1980). Effects of Some Heterocyclic Herbicides on CO<sub>2</sub> Assimilation by Spinach Chloroplasts. *Physiol.Plant.* 49: 188-192.

EcoReference No.: 43735

Chemical of Concern: PAQT,AMTG,PYZ,SZ,PQT; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: NO ENDPOINT(SZ,PYZ),NO COC(CBL),NO ENDPOINT,NO CONTROL(PQT).

Dickson, D. W. and Hewlett, T. E. (1988). Efficacy of Fumigant and Nonfumigant Nematicides for Control of Meloidogyne arenaria on Peanut. *Ann.Appl.Nematol.* 2: 95-101.

EcoReference No.: 87162

Chemical of Concern: PAQT,MB,CPY,ADC,EP,FMP,CTN,CLP; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(ADC),OK(MB,CLP),NO ENDPOINT(CPY,PAQT),TARGET(CTN),EFFICACY(EP,FMP).

Douze, J. M. C. and Van Heijst, A. N. P. (1977). The Paraquat Intoxication - Oxygen a Real Poison. *Acta Pharmacol.Toxicol.* 41: 241-245.

EcoReference No.: 107699

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

Dowler, C. C. and Tschirley, F. H. (1970). Evaluation of Herbicides Applied to Foliage of Four Tropical Woody Species. *J.Agr.Puerto Rico* 54: 676-682.

EcoReference No.: 43673

Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Drew, J. (1978). Bark Beetles in Paraquat Treated Pines. In: *Proc.Lightwood Res.Coord.Counc.* 70-81.

EcoReference No.: 107904

Chemical of Concern: PSM,PAQT,HCCH,DDVP,CPY,FNT,VBN; Habitat: T; Effect Codes: BEH,POP,MOR; Rejection Code: NO ENDPOINT,NO CONTROL(PAQT,FNT,VBN,DDVP,PSM,CPY).

Drew, R. and Gram, T. E. ( 1979). Vehicle Alteration of Paraquat Lethality in Mice. *Toxicol.Appl.Pharmacol.* 48: 479-487.

EcoReference No.: 105089

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

Dunachie, J. F. and Fletcher, W. W. (1967). Effect of Some Herbicides on the Hatching Rate of Hen's Eggs. *Nature* 215: 1406-1407.

EcoReference No.: 61479

Chemical of Concern: ATZ,CPP,MCP1,DMB,24D,LNR,MCPA,MCPB,DPP1,SZ,BMN,PAQT,PCP; Habitat: T; Effect Codes: MOR; Rejection Code: No Dose//NO ENDPOINT(ALL CHEMS).

Dunachie, J. F. and Fletcher, W. W. (1970). The Toxicity of Certain Herbicides to Hens' Eggs Assessed by the Egg-Injection Technique. *Ann.Appl.Biol.* 66: 515-520.

EcoReference No.: 81159

Chemical of Concern:

ATZ,BMN,DMB,DPP1,DQTBBr,LNR,MCPA,MCPB,MCPBP1,PAQT,PCP,SZ,24DXY; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT(ALL CHEMS).

Duttaroy, A., Paul, A., Kundu, M., and Belton, A. (2003). A Sod2 Null Mutation Confers Severely Reduced Adult Life Span in *Drosophila*. *Genetics* 165: 2295-2299.

EcoReference No.: 104916

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

Dwivedi, K., Sen, A., and Bullerjahn, G. S. (1997). Expression and Mutagenesis of the dpsA Gene of *Synechococcus* sp. PCC7942, Encoding a DNA-Binding Protein Involved in Oxidative Stress Protection. *FEMS Microbiol.Lett.* 155: 85-91.

EcoReference No.: 104940

Chemical of Concern: HOX,PAQT; Habitat: A; Effect Codes: GRO,CEL,MOR; Rejection Code: NO ENDPOINT,NO CONTROL(PAQT,HOX).

Earnest, R. D. (1971). The Effects of Paraquat on Fish in a Colorado Farm Pond. *Prog.Fish-Cult.* 33: 27-31.

EcoReference No.: 9315

Chemical of Concern: PQT; Habitat: A; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Edwards, C. A. and Stafford, C. J. (1979). Interactions Between Herbicides and the Soil Fauna. *Ann.Appl.Biol.* 91: 132-137.

EcoReference No.: 48890

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

Edwards, P. J. and Brown, S. M. (1982). Use of Grassland Plots to Study the Effect of Pesticides on Earthworms. *Pedobiologia* 24: 145-150.

EcoReference No.: 36523

Chemical of Concern: PAQT,BMY; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(BMY),NO CONC(PAQT).

Egley, G. H. and Williams, R. D. (1978). Glyphosate and Paraquat Effects on Weed Seed Germination and Seedling Emergence. *Weed Sci.* 26: 249-251.

EcoReference No.: 41483

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

Ekengren, S. and Hultmark, D. (2001). A Family of Turandot-Related Genes in the Humoral Stress Response of *Drosophila*. *Biochem.Biophys.Res.Comm.* 284: 998-1003.

EcoReference No.: 104917

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

Ekundayo, E. O. (2003). Effect of Common Pesticides Used in the Niger Delta Basin of Southern Nigeria on Soil Microbial Populations. *Environ.Monit.Assess.* 89: 35-41.

EcoReference No.: 72951



Chemical of Concern: PNB,PQT,HCCH,THM,Hg,BMY,DCPA; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

El Saidy, M. F., Auda, M., and Degheele, D. (1989). Detoxification Mechanisms of Diflubenzuron and Teflubenzuron in the Larvae of *Spodoptera littoralis* (Boisd.). *Pestic.Biochem.Physiol.* 35: 211-222.

EcoReference No.: 68127

Chemical of Concern: DFZ,TBF,PFF,PBB; Habitat: T; Effect Codes: MOR,ACC; Rejection Code: OK(DFZ),NO MIXTURE(TBF,PFF,PBB).

Elliott, R. H., Cmiralova, D., and Wellington, W. G. (1979). Olfactory Repellency of Herbicides to Foraging Honey Bees (Hymenoptera, Apidae). *Can.Entomol.* 111: 1131-1135.

EcoReference No.: 95800

Chemical of Concern: 24DB,LNR,24D,PCL,PAQT; Habitat: T; Effect Codes: BEH,REP,MOR; Rejection Code: NO ENDPOINT(ALL CHEMS).

Engle, M. R., Singh, S. P., Czernik, P. J., Gaddy, D., Montague, D. C., Ceci, J. D., Yang, Y., Awasthi, S., Awasthi, Y. C., and Zimniak, P. (2004). Physiological Role of mGSTA4-4, a Glutathione S-Transferase Metabolizing 4-Hydroxynonenal: Generation and Analysis of mGsta4 null Mouse. *Toxicol.Appl.Pharmacol.* 194: 296-308.

EcoReference No.: 104915

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

Erickson, D. A., Laib, F. E., and Lech, J. J. (1992). Biotransformation of Rotenone by Hepatic Microsomes Following Pretreatment of Rainbow Trout with Inducers of Cytochrome P450. *Pestic.Biochem.Physiol.* 42: 140-150.

EcoReference No.: 7099

Chemical of Concern: RTN,PBB; Habitat: A; Effect Codes: ACC,BCM; Rejection Code: LITE EVAL CODED(RTN),NO MIXTURE(PBB).

Evers, W. D., Hook, J. B., and Bond, J. T. (1982). Alteration of Toxicity to Paraquat in Mice Fed a Purified or Cereal-Based Diet. *Drug-Nutr.Interact.* 1: 237-248.

EcoReference No.: 86960

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

Eytan, G., Jennings, R. C., Forti, G., and Ohad, I. (1974). Biogenesis of Chloroplast Membranes. Changes in Photosystem I Activity and Membrane Organization During Degreening and Greening of a *Chlamydomonas reinhardtii* Mutant, Y-1. *J.Biol.Chem.* 249: 738-744.

EcoReference No.: 104773

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

Faust, M., Altenburger, R., Backhaus, T., Blanck, H., Boedeker, W., Gramatica, P., Hamer, V., Scholze, M., Vighi, M., and Grimme, L. H. (2003). Joint Algal Toxicity of 16 Dissimilarly Acting Chemicals is Predictable by the Concept of Independent Action. *Aquat.Toxicol.* 63: 43-63.

EcoReference No.: 71224

Chemical of Concern: TDM,KRSM,TBZ,NFZ,MLX,PQT; Habitat: A; Effect Codes: MOR,POP; Rejection Code: NO CONTROL(TBZ,NFZ,MLX,PQT).

Fedtke, C. (1991). Mode of Action Studies with Mefenacet. *Pestic.Sci.* 33: 421-426 .

EcoReference No.: 73931

Chemical of Concern: MTL,GYP,SXD,HFP,PCP,ATZ,ACR,BTC,DU,CPP,BSF,PAQT,CBL; Habitat: A; Effect Codes: GRO; Rejection Code: NO CONTROL(ALL CHEMS).

Fedtke, C., Schmalfuss, J., and Couderchet, M. (1999). Chloroacetanilides, Oxyacetamides, Tetrazolinones: Mode of Action. 1. Cross Resistance and Oleic Acid Incorporation in Algal Model Systems. *Pestic.Sci.* 55: 580-582.

EcoReference No.: 90964

Chemical of Concern: SMM,PCP,PAQT,DU,ACR,BTC,ATZ,BSF,CPP,MBZ; Habitat: A; Effect Codes: POP; Rejection Code: NO CONTROL,ENDPOINT(ALL CHEMS).

Fernandez-Alba, A. R., Guil, L. H., Lopez, G. D. , and Chisti, Y. (2001 ). Toxicity of Pesticides in Wastewater: A Comparative Assessment of Rapid Bioassays. *Anal.Chim.Acta* 426: 289-301.

EcoReference No.: 74540

Chemical of Concern: DZ,DDT,CBL,CBF,MLN,CYR,FMP,FTT,PPM,PAQT; Habitat: A; Effect Codes: MOR,BEH; Rejection Code: LITE EVAL CODED(CBF,CYR),NO REVIEW(DZ,CBL,MLN,PAQT),NO MIXTURE(FMP),OK(FTT).

Filla, A., De Michele, G., Santorelli, F., D'Arienzo, G., Mengano, A., Cavalcanti, F., and Campanella, G. (1990). Effects of 1 Methyl-4-Phenylpyridinium Ion on Mitochondrial Metabolism in Frog Brain. *Med.Sci.Res.* 18: 415-416.

EcoReference No.: 107896

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

Fleming, W. J., Ailstock, M. S., Momot, J. J., and Norman, C. M. (1991). Response of Sago Pondweed, a Submerged Aquatic Macrophyte, to Herbicides in Three Laboratory Culture Systems. In: J.W.Gorsuch, W.R.Lower, W.Wang, and M.A.Lewis (Eds.), *Plants for Toxicity Assessment: Second Volume, ASTM STP 1115, Philadelphia, PA* 267-275.

EcoReference No.: 13294

Chemical of Concern: ACR,ATZ,GYP,PAQT,PQT; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(ATZ),NO ENDPOINT(GYP,ACR,PQT) .

Florence, T. M. and Stauber, J. L. (1986). Toxicity of Copper Complexes to the Marine Diatom *Nitzschia closterium*. *Aquat.Toxicol.* 8: 11-26.

EcoReference No.: 11882

Chemical of Concern: PQT,Cu,NaN<sub>3</sub>,HOX,NP,SFZ; Habitat: A; Effect Codes: POP,GRO,PHY,BCM; Rejection Code: NO ENDPOINT,NO CONTROL(Cu,NaN<sub>3</sub>,PQT,SFZ),NO ENDPOINT(HOX).

Flores, M. and Barbachano, M. (1992). Effects of Herbicides Gramoxone, Diuron and Totacol on Growth and Nodulation of Three Strains of *Rhizobium meliloti*. *Sci.Total Environ.* 123/124: 249-260.

EcoReference No.: 102312

Chemical of Concern: DU,PQT; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(DU,PQT).

Forkert, P. G., Parkinson, A., Thaete, L. G., and Malkinson, A. M. (1992). Resistance of Murine Lung Tumors to Xenobiotic-induced Cytotoxicity. *Cancer Res.* 52: 6797-6803.

EcoReference No.: 83892

Chemical of Concern: NAPH,PAQT; Habitat: T; Effect Codes: PHY; Rejection Code: NO  
ENDPOINT(ALL CHEMS).

Foster, D. E. and Wintersteen, W. K. (1986). Stalk Borer Control; 1985. *Insectic.Acaric.Tests* 11: 230-231 (301).

EcoReference No.: 88664

Chemical of Concern: FNF,BFT,PMR,PAQT,LCYT,ATZ,CYF,CPY,CBL,CYP; Habitat: T; Effect Codes: POP; Rejection Code: NO  
MIXTURE(PAQT,ATZ,LCYT,FNF,CYF,CYP),TARGET(CBL,BFT,PMR).

Fowler, B. A. and Brooks, R. E. (1971). Effects of the Herbicide Paraquat on the Ultrastructure of Mouse Kidney. *Am.J.Pathol.* 63: 505-512.

EcoReference No.: 104179

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

Foy, C. L. and Penner, D. (1965). Effect of Inhibitors and Herbicides on Tricarboxylic Acid Cycle Substrate Oxidation by Isolated Cucumber Mitochondria. *Weeds* 13: 226-231.

EcoReference No.: 42287

Chemical of Concern: ATZ,DU,DBN,DMB,PQT; Habitat: T; Effect Codes: PHY; Rejection Code: NO  
ENDPOINT,NO CONTROL(DU,ATZ,PQT).

Francis, B. M., Lampman, R. L., and Metcalf, R. L. (1985). Model Ecosystem Studies of the Environmental Fate of Five Herbicides Used in Conservation Tillage. *Arch.Environ.Contam.Toxicol.* 14: 693-704.

EcoReference No.: 49310

Chemical of Concern: ACR,ATZ,LNR,OYZ,PAQT; Habitat: A; Effect Codes: ACC; Rejection Code: NO  
ENDPOINT(ALL CHEMS).

Franqueira, D., Orosa, M., Torres, E., Herrero, C., and Cid, A. (2000). Potential Use of Flow Cytometry in Toxicity Studies with Microalgae. *Sci.Total Environ.* 247: 119-126.

EcoReference No.: 49317

Chemical of Concern: CuCl,PAQT; Habitat: A; Effect Codes: CEL,POP; Rejection Code: NO  
ENDPOINT(PAQT,CuCl).

Frans, R., Corbin, B., Johnson, D., and McClelland, M. (1987). Herbicide Field Evaluation Trials on Field Crops, 1986. *Ark.Agric.Exp.Stn.,Res.Ser.354, Univ.of Ark, Fayetteville, AK* 92 p.

EcoReference No.: 31036

Chemical of Concern:  
ACF,ACR,ATZ,BFL,BT,BMN,CRM,CLT,CZE,DMB,DU,EFL,FNP,FZF,PQT,FMU,FSF,HFP,IMQ,IZT,L  
CF,LNR,MTZ,MTL,NPM,NFZ,OXF,PDM,IMQ,PMT,QZF,TFN,24D,24DB,SXD; Habitat: T; Effect Codes: POP,PHY; Rejection Code: NO  
ENDPOINT(EFFICACY-ATZ,DMB,DU,FNP,FSF,LCF,LNR,MTL,OXF,24D,SXD),TARGET(CLT,NFZ,ACR,PMT,PDM,PQT).

Frans, R. E., McClelland, M., and Terhune, E. (1980). Herbicide Field Trials on Field Crops, 1979. *Mimeogr.Ser.280, Ark.Agric.Exp.Stn., Univ.of Arkansas, Fayetteville, AR* 66 p.

EcoReference No.: 96750

Chemical of Concern:  
ACR,ACO,MFD,NPM,BMN,PQT,PMT,DU,CZE,TFN,PDM,NFZ,OYZ,FMU,MTL,BMN,BT,ACF,MTZ,  
GYP,LNR,VNT,BBZ,OXF,BTY,24D,DMB,PPZ,ATZ,PCH; Habitat: T; Effect Codes: POP; Rejection

Code: NO ENDPOINT,  
EFFICACY(MFD,DU,NFZ,OYZ,MTL,GYP,LNR,OXF,24D,ATZ),TARGET(ACO,ACR,BTY,PMT,PDM,  
PQT).

Fritz, K. L., Nelson, T. L., Ruiz-Velasco, V., and Mercurio, S. D. (1994). Acute Intramuscular Injection of Oils or the Oleic Acid Component Protects Mice Against Paraquat Lethality. *J.Nutr.* 124: 425-429.

EcoReference No.: 107522  
Chemical of Concern: PQT,AAH; Habitat: T; Effect Codes: MOR,ACC; Rejection Code:  
OK(AAH),NO ENDPOINT,NO CONTROL(PQT).

Fry, J. C., Brooker, M. P., and Thomas, P. L. (1973). Changes in the Microbial Populations of a Reservoir Treated with the Herbicide Paraquat. *Water Res.* 7: 395-407.

EcoReference No.: 8779  
Chemical of Concern: PQT; Habitat: A; Effect Codes: ACC,POP,MOR; Rejection Code: NO  
ENDPOINT,NO CONTROL(PQT).

Funderburk, H. H. (1963). Distribution of C14 Labeled Herbicides in Bluegills and Shellcrackers. *U.S.EPA-OPP Registration Standard.*

EcoReference No.: 13029  
Chemical of Concern: 24DXY,SZ,PAQT,PQT; Habitat: A; Effect Codes: ACC; Rejection Code: NO  
ENDPOINT(SZ,PAQT),NO ENDPOINT,NO CONTROL(24DXY,PQT).

Funderburk, H. H. Jr. and Lawrence, J. M. (1964). Mode of Action and Metabolism of Diquat and Paraquat. *Weeds* 12: 259-264.

EcoReference No.: 27704  
Chemical of Concern: ATZ,PQT; Habitat: A; Effect Codes: PHY,ACC; Rejection Code: NO  
ENDPOINT(PQT,ATZ).

Funderburk, H. H. Jr. and Lawrence, J. M. (1963). A Sensitive Method for Determination of Low Concentrations of Diquat and Paraquat. *Nature* 199: 1011-1012.

EcoReference No.: 107278  
Chemical of Concern: PQT; Habitat: A; Effect Codes: PHY; Rejection Code: NO ENDPOINT(PQT).

Fytizas, R. (1980). Toxicity of Paraquat to Three Marine Organisms. *Bull.Environ.Contam.Toxicol.* 25: 283-288.

EcoReference No.: 5279  
Chemical of Concern: PQT; Habitat: A; Effect Codes: MOR,ACC; Rejection Code: NO  
ENDPOINT,NO CONTROL(PQT).

Gabryelak, T. and Klekot, J. (1985). The Effect of Paraquat on the Peroxide Metabolism Enzymes in Erythrocytes of Freshwater Fish Species. *Comp.Biochem.Physiol.C* 81: 415-418.

EcoReference No.: 11636  
Chemical of Concern: PQT; Habitat: A; Effect Codes: BCM; Rejection Code: NO ENDPOINT,NO  
CONTROL(PQT).

Gadkari, D. (1988). Effect of Some Photosynthesis-Inhibiting Herbicides on Growth and Nitrogenase Activity of a New Isolate of Cyanobacteria, Nostoc G3. *J.Basic Microbiol.* 28: 419-426.

EcoReference No.: 107624  
Chemical of Concern: ATZ,PQT,DU; Habitat: A; Effect Codes: GRO,BCM; Rejection Code: NO

ENDPOINT(PQT),OK(ATC,DU).

Gaines, T. B. (1969). Acute Toxicity of Pesticides. *Toxicol.Appl.Pharmacol.* 14: 515-534 .

EcoReference No.: 36729

Chemical of Concern:

AND,CHD,DDT,DLD,ES,EN,HPT,HCCH,TXP,DZ,PRN,As,Cu,CBL,NAPH,PAH,PCP,CN,PQT,PPB,PPHD,Zineb,MRX,TMP,DMT,DS,FNT,PSM,Naled,OXD,THM,HCCH,MLN,MP,FPN,ETN,TBF,PPG;  
Habitat: T; Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).

Gaivao, I. and Comendador, M. A. (1996). The w/w+ Somatic Mutation and Recombination Test (SMART) of *Drosophila melanogaster* for Detecting Reactive Oxygen Species: Characterization of 6 Strains. *Mutati.Res.* 360: 145-151.

EcoReference No.: 95748

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: NO ENDPOINT(PAQT),NO COC(FNP).

Garber, N. and Cotty, P. J. (2006). Timing of Herbicide Applications may Influence Efficacy of Aflatoxin Biocontrol. *Proc.Beltwide Cotton Conf.*: 1-6.

EcoReference No.: 98217

Chemical of Concern: BMN,PMT,PDM,PAQT,OXF,DU,GYPI; Habitat: T; Effect Codes: REP,POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

Ghannoum, M. A., Afzal, M., Hasan, R. A. H., and Dhami, M. S. I. (1989). Variation in Growth and Fatty Acid Contents of *Trichoderma Viride* Induced by Herbicides. *J.Environ.Sci.Health Part A* 24: 957-966.

EcoReference No.: 107576

Chemical of Concern: PQT,TFN; Habitat: T; Effect Codes: POP,GRO,BCM; Rejection Code: NO ENDPOINT(PQT,TFN).

Glaze, N. C. (1970). Evaluation of Several Herbicides in Turnip Green Plantings. *Proc.South.Weed Sci.Soc.* 23: 197-201.

EcoReference No.: 41908

Chemical of Concern: PAQT,ACR,TFN,DCPA; Habitat: T; Effect Codes: POP,PHY; Rejection Code: NO MIXTURE(PAQT),NO ENDPOINT,CONTROL(DCPA,ACR).

Goers, J., Manning-Bog, A. B., McCormack, A. L., Millett, I. S., Doniach, S., Di Monte, D. A., Uversky, V. N., and Fink, A. L. (2003). Nuclear Localization of alpha-Synuclein and Its Interaction with Histones. *Biochemistry* 42: 8465-8471.

EcoReference No.: 107563

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

Goldstein, P. and Modric, T. (1994). Transgenerational, Ultrastructural Analysis on the Antioxidative Effects of Tocopherol on Early Gametogenesis in *Caenorhabditis elegans* Grown in 100% Oxygen. *Toxicol.Appl.Pharmacol.* 124: 212-220.

EcoReference No.: 104635

Chemical of Concern: PAQT; Habitat: T; Effect Codes: REP,MOR,CEL; Rejection Code: NO ENDPOINT(PAQT).

Gordon, R. E., Heller, R. F., and Heller, R. F. (1992). Taurine Protection of Lungs in Hamster Models of Oxidant Injury: A Morphologic Time Study of Paraquat and Bleomycin Treatment. *Adv.Exp.Med.Biol.* 315: 319-

328.

EcoReference No.: 104780

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: NO  
ENDPOINT(PAQT).

Greenberg, S. R. and Eisenberg, G. M. (1977). The Pulmonary Effects of Benzyl Viologen in Swiss Mice. *Environ.Pollut.* 12: 255-259.

EcoReference No.: 104955; Habitat: T; Effect Codes: PHY,CEL; Rejection Code: NO COC(PQT).

Grissom, R. E. Jr., Brownie, C., and Guthrie, F. E. (1985). Dermal Absorption of Pesticides in Mice. *Pestic.Biochem.Physiol.* 24: 119-123.

EcoReference No.: 49757

Chemical of Concern: Captan,CHX,FNV,24DXY,PAQT,MLH,EFV,24DXY; Habitat: T; Effect Codes:  
ACC; Rejection Code: NO CONTROL(ALL CHEMS).

Guo, Z., Huang, M., Lu, S., Yaqing, Z., and Zhong, Q. (2007). Differential Response to Paraquat Induced Oxidative Stress in Two Rice Cultivars on Antioxidants and Chlorophyll A Fluorescence. *Acta Physiol.Plant.* 29: 39-46.

EcoReference No.: 107698

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

Haggar, R. J. (1976). Herbicides and Grassland Improvement. *Pestic.Sci.* 7: 417-421.

EcoReference No.: 91774

Chemical of Concern: PAQT,PZM,ASM; Habitat: T; Effect Codes: REP,POP; Rejection Code: NO  
ENDPOINT(PZM,PAQT).

Hakeem, H. and Shehab, A. (1973). Cytological Effects of Some Herbicides (Amine Salt of Dichloro-Phenoxy Acetic Acid, Dalapon, Paraquat) on Broadbeans. *Egypt.J.Bot.* 16: 291-301.

EcoReference No.: 41699

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

Hamilton, K. C. and Arle, H. F. (1969). Directed Applications of Herbicides in Irrigated Cotton. *Weed Sci.* 17: 85-88.

EcoReference No.: 43797

Chemical of Concern: DU,BS,PMT,BSO,PQT; Habitat: T; Effect Codes: MOR,GRO,POP,PHY;  
Rejection Code: NO ENDPOINT,NO CONTROL(BS,BSO,DU,PMT,PQT).

Hammerton, J. L. (1974). Experiments with *Cyperus Rotundus* L.: I. Growth and Development and Effects of 2,4-D and Paraquat. *Weed Res.* 14: 365-369.

EcoReference No.: 43671

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

Hammouda, O. H. E. (1994). Superoxide Dismutase Level in Response to Paraquat and high Temperature in the Cyanobacterium *Gloeocapsa* sp. *Biol.Plant.* 36: 229-236.

EcoReference No.: 107696

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

Hampson, E. C. G. M. and Pond, S. M. (1988). Ultrastructure of Canine Lung During the Proliferative Phase of Paraquat Toxicity. *Br.J.Exp.Pathol.* 69: 57-68.

EcoReference No.: 106425

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

Hamzah, A., Sahid, I., and Tahir, W. H. W. M. (1988). The Effect of Paraquat on the Growth of Some Fungi Isolated from a Peat Soil. *Malays.Appl.Biol.* 17: 85-90.

EcoReference No.: 107579

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

Hanikenne, M., Matagne, R. F., and Loppes, R. (2001). Pleiotropic Mutants Hypersensitive to Heavy Metals and to Oxidative Stress in *Chlamydomonas reinhardtii*. *FEMS Microbiol.Lett.* 196: 107-111.

EcoReference No.: 77720

Chemical of Concern: Cu,Cd,CuS,Pb,HgCl<sub>2</sub>,PQT; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT(ALL CHEMS).

Harkess, R. D. and Hope, R. A. (1974). The Control of Yorkshire Fog (*Holcus lanatus* L.) in Timothy Swards. *Proc.Br.Weed Control Conf.* 12: 733-736.

EcoReference No.: 40993

Chemical of Concern: GYP,LNR,DU,PQT; Habitat: T; Effect Codes: GRO,PHY,MOR; Rejection Code: NO ENDPOINT,NO CONTROL(GYP,LNR,DU,PQT).

Harris, K. C., Bielefeld, E., Hu, B. H., and Henderson, D. (2006). Increased Resistance to Free Radical Damage Induced by Low-Level Sound Conditioning. *Hear.Res.* 213: 118-129.

EcoReference No.: 106873

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

Harris, N. and Dodge, A. D. (1972). The Effect of Paraquat on Flax Cotyledon Leaves: Changes in Fine Structure. *Planta* 104: 201-209.

EcoReference No.: 43295

Chemical of Concern: PAQT,PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Hartley, M. J., Reid, J. B., Rahman, A., and Springett, J. A. (1996). Effect of Organic Mulches and a Residual Herbicide on Soil Bioactivity in an Apple Orchard. *N.Z.J.Crop Hortic.Sci.* 24: 183-190.

EcoReference No.: 97057

Chemical of Concern: DQTB<sub>r</sub>,PQT,GYP,TBZ; Habitat: T; Effect Codes: SYS,POP; Rejection Code: NO CONC(GYP),NO MIXTURE(DQTB<sub>r</sub>,PQT).

Hashimoto, Y. and Nishiuchi, Y. (1981). Establishment of Bioassay Methods for the Evaluation of Acute Toxicity of Pesticides to Aquatic Organisms. *J.Pestic.Sci.* 6: 257-264 (JPN) (ENG ABS).

EcoReference No.: 5761

Chemical of Concern:

DDT,TPN,FNTH,24DXY,PRN,PAQT,CBL,PYN,Zineb,CZE,FBM,PPX,MOM,ES,TBC,MLN,FE,SZ,NaP  
CP,Captan,AND,DZ,ETN,FLAC,PPN,FNT,RTN,EN,PQT; Habitat: A; Effect Codes: MOR; Rejection  
Code: NO CONTROL(ALL CHEMS).

Hautier, L., Jansen, J. P., Mabon, N., and Schiffers, B. (2005). Selectivity Lists of Pesticides to Beneficial  
Arthropods for IPM Programs in Carrot - First Results. *Comm.Appl.Biol.Sci.* 70: 547-557.

EcoReference No.: 104765

Chemical of Concern:

CBF,CPY,DZ,DMT,DM,PIM,AZX,IPD,MYC,SFR,CMZ,GFSNH,GYP,LNR,PAQT,QZFE,FZFPB,GCYH  
,TEZ; Habitat: T; Effect Codes: MOR,PHY; Rejection Code: LITE EVAL  
CODED(MYC,DM,PIM,IPD),NO  
ENDPOINT(PAQT,QZFE,GFSNH,GYP,CBF,CPY,AZX,LNR),OK(DZ,DMT,SFR,CMZ).

Hawksworth, G. M., Bennett, P. N., and Davies, D. S. (1981). Kinetics of Paraquat Elimination in the Dog.  
*Toxicol.Appl.Pharmacol.* 57: 139-145.

EcoReference No.: 106092

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

Headford, D. W. R. (1966). An Improved Method of Control of Paspalum conjugatum with Amitrole-T and  
Paraquat. *Weed Res.* 6: 304-313.

EcoReference No.: 42427

Chemical of Concern: PAQT,PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Heatherly, L. G., Elmore, C. D., and Spurlock, S. R. (1994). Effect of Irrigation and Weed Control Treatment on  
Yield and Net Return from Soybean (Glycine max). *Weed Technol.* 8: 69-76.

EcoReference No.: 74061

Chemical of Concern: MTL,GYP,ACF,LNR,MBZ,DMM,24DB,BT,PAQT,PDM; Habitat: T; Effect  
Codes: POP; Rejection Code: NO ENDPOINT,CONTROL,TARGET(MTL,GYP,LNR,PDM,PAQT).

Helms, R. S., Guy, C. B., Black, H. L., Grove, J. A., and Fox, W. T. (1995). Weed Management in Rice.  
*Ark.Agric.Exp.Stn.Res.Ser.* 446: 47-51.

EcoReference No.: 100551

Chemical of Concern: PAQT,QNC,TBC,PDM,PPN; Habitat: T; Effect Codes: POP; Rejection Code:  
NO ENDPOINT(QNC),TARGET(PDM,PPN,PAQT).

Hendrich, W., Kubiak, Z., Jurajda, K., and Pawlaczyk-Szpilowa, M. (1976). Effect of Herbicides on Photosynthetic  
Electron Transport and on the Growth of the Alga Scenedesmus quadricauda. *Acta Soc.Bot.Pol.* 155: 101-  
110.

EcoReference No.: 62762

Chemical of Concern: 24DXY,PQT,LNR,SZ,CPP; Habitat: A; Effect Codes: POP; Rejection Code: NO  
ENDPOINT(ALL CHEMS).

Hendriks, A. J. and Stouten, M. D. A. (1993). Monitoring the Response of Microcontaminants by Dynamic Daphnia  
magna and Leuciscus idus Assays in the Rhine Delta: Biological Early Warning as a Useful Supplement.  
*Ecotoxicol.Environ.Saf.* 26: 265-279 .

EcoReference No.: 13267

Chemical of Concern:

PCP,CPH,DZ,ES,Cd,PAQT,MP,PTP,MTL,ATZ,3CE,4CE,FA,ISO,EN,SZ,NH,DS,DU,PQT; Habitat: A;



Effect Codes: BEH,MOR; Rejection Code: NO CONTROL(ALL CHEMS).

Herbert, D. A. Jr., Wilcut, J. W., and Swann, C. W. (1991). Effects of Various Postemergence Herbicide Treatments and Tobacco Thrips (*Frankliniella fusca*) Injury on Peanut Yields in Virginia. *Peanut Sci* 18: 91-94.

EcoReference No.: 107063

Chemical of Concern: ADC,CBL,PAQT,ACF,PYD; Habitat: T; Effect Codes: GRO,PHY,POP; Rejection Code: NO CONTROL(PAQT),OK(ADC,CBL,ACF,PYD).

Hernandez, D. A., Ferrari, L., Tortorelli, M. C. , and Salibian, A. (1988). Ecotoxicology of Herbicides: Acute Toxicity of Formulated Paraquat on South American Catfish Juvenile, *Rhamdia sapo* (Pisces, Pimelodidae). *Comp.Physiol.Ecol.* 13: 41-45 (SPA).

EcoReference No.: 3928

Chemical of Concern: PAQT,PQT; Habitat: A; Rejection Code: NO CONTROL(PQT).

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,BSO,DCPA,PQT;  
Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(ATZ,MLT),NO ENDPOINT,NO CONTROL(BS,EPTC,GYP,BSO,DCPA,BTY,ACR,PQT,FDE).

Heylings, J. R., Farnworth, M. J., Swain, C. M., Clapp, M. J., and Elliott, B. M. (2007). Identification of an Alginate-Based Formulation of Paraquat to Reduce the Exposure of the Herbicide Following Oral Ingestion. *Toxicology* 241: 1-10.

EcoReference No.: 104180

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

Hirayama, K. and Yasutake, A. (1999). Effects of Reactive Oxygen Modulators on In Vivo Demethylation of Methylmercury. *J.Health Sci.* 45: 24-27.

EcoReference No.: 104769

Chemical of Concern: PAQT,FeEDTA,NaCN; Habitat: T; Effect Codes: ACC,BCM; Rejection Code: NO MIXTURE(PAQT,FeEDTA).

Hislop, R. G. and Prokopy, R. J. (1981). Integrated Management of Phytophagous Mites in Massachusetts (U.S.A.) Apple Orchards. 2. Influence of Pesticides on the Predator *Amblyseius fallacis* (Acarina: Phytoseiidae) Under Laboratory and Field Conditions. *Prot.Ecol.* 3: 157-172.

EcoReference No.: 70632

Chemical of Concern:

MOM,CBL,PHSL,DZ,DEM,DMT,FNV,PMR,PPHD,MLN,PSM,AZ,MP,ES,MXC,FTTCl,DCF,CHX,PPG, FBOX,BMY,DOD,Maneb,THM,Captan,FBM,PAQT,GYP,SZ,DMZ,EPH,NAA,CaCl<sub>2</sub>; Habitat: T; Effect Codes: MOR,REP,POP; Rejection Code: NO ENDPOINT(ALL CHEMS),TARGET(MP,DMT,FNV,PPG,AZ,MLN,DCF,FBOX).

Ho, Y. S., Magnenat, J. L., Gargano, M., and Cao, J. (1998). The Nature of Antioxidant Defense Mechanisms: A Lesson from Transgenic Studies. *Environ.Health Perspect.* 106: 1219-1228.

EcoReference No.: 104770

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR,BCM; Rejection Code: NO

CONTROL(PAQT).

Hoagland, R. E. and Duke, S. O. (1983). Relationships Between Phenylalanine Ammonia-Lyase Activity and Physiological Responses of Soybean (*Glycine max*) Seedlings to Herbicides. *Weed Sci.* 31: 845-852.

EcoReference No.: 41002

Chemical of Concern: 24DXY,ATZ,DMM,MBZ,NFZ,PAQT,AMTR,PPN,PQT,FDE,MLH; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT(DMM,MBZ,PAQT,AMTR),NO ENDPOINT,NO CONTROL(24DXY,NFZ,ATZ,PPN,PQT,FDE,MLH).

Hochman, A., Sternin, H., Gorodin, S., Korsmeyer, S., Ziv, I., Melamed, E., and Offen, D. (1998). Enhanced Oxidative Stress and Altered Antioxidants in Brains of Bcl-2-Deficient Mice. *J.Neurochem.* 71: 741-748.

EcoReference No.: 104764

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,MOR; Rejection Code: NO IN VITRO(PAQT).

Hodges, L. and Moore, J. N. (1979). Effects of the Postemergence Systemic Herbicide Glyphosate on Highbush Blueberry (*Vaccinium corymbosum* L.). First-Year Injuries. *Hortscience* 14: 49-50.

EcoReference No.: 41687

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

Hoffer, E., Tzipiniuk, A., Gal, M., and Taitelman, U. (1989). Skin Versus Blood Distribution of Paraquat in Experimental Animals During Percutaneous Absorption. *J.Toxicol.Cutan.Ocul.Toxicol.* 8: 179-182.

EcoReference No.: 106320

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

Hollinger, M. A., Giri, S. N., and Freywald, M. (1977). Effect of Parenteral Zinc on Paraquat Toxicity in the Rat. *Res.Comm.Chem.Pathol.Pharmacol.* 18: 689-696.

EcoReference No.: 100601

Chemical of Concern: ZnS,PAQT; Habitat: T; Effect Codes: ACC,BCM,MOR; Rejection Code: LITE EVAL CODED(ZnS),NO CONTROL(PAQT).

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,DU,BMY,ACR,PQT; Habitat: A; Effect Codes: POP,PHY,BCM; Rejection Code: LITE EVAL CODED(ATZ,SZ,DMB),NO ENDPOINT(LNR,24DXY,DU,BMY,ACR,PQT).

Honsi, T. G., Hoel, L., and Stenersen, J. V. (1999). Non-Inducibility of Antioxidant Enzymes in the Earthworms *Eisenia veneta* and *E. fetida* after Exposure to Heavy Metals and Paraquat. *Pedobiologia* 43: 652-657.

EcoReference No.: 107573

Chemical of Concern: PAQT,Zn,Cu,Hg; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT(PAQT,Zn,Cu).

Hosoya, H., Kimura, K., Matsuda, S., Kitaura, M., Takahashi, T., and Kosaka, T. (1995). Symbiotic Algae-Free Strains of the Green Paramecium *Paramecium bursaria* Produced by Herbicide Paraquat. *Zool.Sci.* 12: 807-810.

EcoReference No.: 106745

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

Houot, L., Floutier, M., Marteyn, B., Michaut, M., Picciocchi, A., Legrain, P., Aude, J. C., Cassier-Chauvat, C., and Chauvat, F. (2007). Cadmium Triggers an Integrated Reprogramming of the Metabolism of *Synechocystis* PCC6803, Under the Control of the Slr1738 Regulator. *BMC Genomics* 1-16.

EcoReference No.: 107609

Chemical of Concern: Fe,ZnS,HOX,PAQT; Habitat: AT; Effect Codes: POP,CEL,BCM; Rejection Code: LITE EVAL CODED(HOX),NO ENDPOINT(ZnS,PAQT).

Houthoofd, K., Braeckman, B. P., Lenaerts, I., Brys, K., De Vreese, A., Van Eygen, S., and Vanfleteren, J. R. (2002). No Reduction of Metabolic Rate in Food Restricted *Caenorhabditis elegans*. *Exp.Gerontol.* 37: 1359-1369.

EcoReference No.: 104835

Chemical of Concern: PAQT,HOX; Habitat: A; Effect Codes: MOR; Rejection Code: NO  
CONTROL,ENDPOINT(PAQT,HOX).

Howard, C. A. and Baker, T. I. (1989). Inducible Responses to DNA Damaging or Stress Inducing Agents in *Neurospora crassa*. *Curr.Genet.* 15: 47-55.

EcoReference No.: 106544

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

Howe, D. J. T. and Wright, N. (1965). The Toxicity of Paraquat and Diquat. *In: Proc.18th N.Z.Weed Control Conf.* 105-114.

EcoReference No.: 81862

Chemical of Concern: PQT,DQTB; Habitat: T; Effect Codes: MOR,GRO,PHY,ACC; Rejection Code: NO CONTROL(PQT,DQTB).

Hoy, C. W. and Dunlap, M. J. (1999). Potato Pest Control, 1998. *Arthropod Manag.Tests* 24: 151-153 (E65).

EcoReference No.: 88071

Chemical of Concern: IMC,SS,AZD,AZ,ABM,PAQT,DMT; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT,NO CONTROL(PAQT,DMT),EFFICACY(IMC).

Hudson, R. H., Haegle, M. A., and Tucker, R. K. (1979). Acute Oral and Percutaneous Toxicity of Pesticides to Mallards: Correlations with Mammalian Toxicity Data. *Toxicol.Appl.Pharmacol.* 47: 451-460.

EcoReference No.: 35259

Chemical of Concern:  
ADC,DEM,DCTP,EN,EP,FNT,FNTH,MP,MVP,PAQT,PRN,PRT,PPHD,DZ,DS,FMP,PQT; Habitat: T;  
Effect Codes: MOR; Rejection Code: NO CONTROL(ALL CHEMS).

Hughes, J. S. and Davis, J. T. (1961). Median Tolerance Limits Reported in Parts per Million of Bluegill Sunfish to Herbicides Tested During 1961-62. *Louisiana Wild Life and Fisheries Commission, Monroe, LA* 3 p.

EcoReference No.: 108126

Chemical of Concern: 24DXY,24DB,PAQT,DMB; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(24DXY,PAQT,DMB,24DB).

Hughes, R. D., Millburn, P., and Williams, R. T. (1973). Biliary Excretion of Some Diquaternary Ammonium

Cations in the Rat, Guinea Pig and Rabbit. *Biochem.J.* 136: 979-984.

EcoReference No.: 106874

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

Hunt, D. M. (1974). Toxicity of Paraquat to *Paracalliope fluviatilis* (Amphipoda). *Mauri Ora* 2: 67-72.

EcoReference No.: 8579

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

Hyder, D. N. (1972). Paraquat Kills Geyer Larkspur. *J.Range Manag.* 25: 460-463.

EcoReference No.: 41384

Chemical of Concern: PAQT,PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Iannone, M., Calo, M., Rispoli, V., and Nistico, G. (1989). Behavioural, ECoG and Neuropathological Effects After Intracerebral Injection of MPP+ and Paraquat in Rats. *Pharmacol.Res.* 21: 43-44.

EcoReference No.: 108284

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

Idid, S. Z. and Lee, C. Y. (1996). Effects of Fuller's Earth and Activated Charcoal on Oral Absorption of Paraquat in Rabbits. *Clin.Exp.Pharmacol.Physiol.* 23: 679-681.

EcoReference No.: 106314

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

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EcoReference No.: 104771

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

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EcoReference No.: 37233

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

Irmer, U., Heuer, K., and Weber, A. (1985). Effects of Various Organic Chemicals on the Regreening of Red Colored *Chlorella zofingiensis*. *Ecotoxicol.Environ.Saf.* 9: 121-133.

EcoReference No.: 10648

Chemical of Concern: PQT,PCP,NP; Habitat: A; Effect Codes: BCM,MOR; Rejection Code: LITE EVAL CODED(PCP),NO ENDPOINT,NO CONTROL(PQT).

Isakeit, T. and Lockwood, J. L. (1990). Increased Exudation of Carbon Compounds from <sup>14</sup>C-Labelled Ungerminated *Cochliobolus sativus* Conidia in Response to Several Herbicides. *Mycol.Res.* 94: 857-861.

EcoReference No.: 95636

Chemical of Concern: ATZ,LNR,TFN,MCPA,PAQT; Habitat: T; Effect Codes: BCM,REP; Rejection Code: NO ENDPOINT(ALL CHEMS).

Isakeit, T. S. (1988). Deleterious Effect of Atrazine on Ungerminated Conidia of *Cochliobolus sativus* in Soil. *Ph.D.Thesis, Michigan State Univ.*: 140 p.

EcoReference No.: 95972

Chemical of Concern: PPZ,PMT,SZ,AMTR,ATZ,LNR,TFN,MCPA,PAQT,CZE,PRO; Habitat: T; Effect Codes: REP,POP,ACC; Rejection Code: NO ENDPOINT(ALL CHEMS).

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Chemical of Concern: PQT; Habitat: A; Rejection Code: NO ENDPOINT(PQT).

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EcoReference No.: 107693

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

Ivany, J. A. (1974). Effects of Delayed Paraquat Application on Sebago Potato Yield. *Can.J.Plant Sci.* 54: 853-854.

EcoReference No.: 43668

Chemical of Concern: PAQT,PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Ivany, J. A., Sadler, J. M., and Kimball, E. R. (1983). Rate of Metribuzin Breakdown and Residue Effects on Rotation Crops. *Can.J.Plant Sci.* 63: 481-487.

EcoReference No.: 25380

Chemical of Concern: MBZ,DMM,PAQT; Habitat: T; Effect Codes: POP; Rejection Code: NO CONTROL,ENDPOINT(ALL CHEMS).

Izumi, K., Nagata, R., Motoya, T., Yamashita, J. I., Hirokane, T., Nagata, T., Satoh, Y., Sawada, Y., Ishibashi, M., Yoshida, H., and Fukuda, T. (1989). Preventive Effect of Taurine Against Acute Paraquat Intoxication in Beagles. *Jpn.J.Pharmacol.* 50: 229-233.

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Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,BEH,PHY; Rejection Code: NO CONTROL(PQT).

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EcoReference No.: 94709

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

Jeater, R. S. L. (1964). Evaluation of Paraquat and Diquat for Weed Control in Rubber. *Weed Res.* 4: 133-141.

EcoReference No.: 42151

Chemical of Concern: PAQT,PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Johnson, B. J. (1983). Response of Weeds in Bermudagrass (*Cynodon dactylon*) Turf to Tank-Mixed Herbicides. *Weed Sci.* 31: 883-888.

EcoReference No.: 41000

Chemical of Concern: SZ,GYP,DCPA,24DXY,DMB,BS,BSO,PQT; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(SZ,DMB),NO ENDPOINT,NO CONTROL(GYP,BS,BSO,PQT).

Johnson, C. R. (1976). Herbicide Toxicities in Some Australian Anurans and the Effect of Subacute Dosages on Temperature Tolerance. *Zool.J.Linn.Soc.* 59: 79-83.

EcoReference No.: 7813

Chemical of Concern: AMTL,PAQT,24DXY,DMB,PCL,As,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(DMB),OK(AMTL,PAQT,PCL,As),NO ENDPOINT,NO CONTROL(24DXY),NO CONTROL(PQT).

Johnson, C. R. (1978). Herbicide Toxicities in the Mosquito Fish, *Gambusia affinis*. *Proc.R.Soc.Queensl.* 89: 25-27.

EcoReference No.: 867

Chemical of Concern: PCL,DMB,PAQT,AMTL,24DXY,As,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(DMB),OK(PCL,AMTL,As),NO CONTROL(24D,PQT).

Jones, K. H., Sanderson, D. M., and Noakes, D. N. (1968). Acute Toxicity Data for Pesticides (1968). *World Rev.Pest Control* 7: 135-143.

EcoReference No.: 70074

Chemical of Concern:

24DXY,ACL,ADC,AMTL,AMTR,AND,ASM,ATN,ATZ,AZ,BFL,BMC,BMN,BS,BTY,Captan,CBL,CC A,CHD,CMPh,CPY,CQTC,Cu,CuFRA,DBN,DCB,DCNA,DCPA,DDD,DDT,DDVP,DEM,DINO,D LD,DMB,DMT,DOD,DPP1,DQTBBr,DS,DU,DZ,DZM,EDT,EN,EP,EPTC,ES,ETN,FLAC,FMU,FNF,FNT, FNTH,Folpet,HCCH,HPT,LNR,Maneb,MCB,MCPA,MCPB,MCP1MDT,MLH,MLN,MLT,MRX,MTM, MVP,MXC,Naled,NPM,PB,PCH,PCL,PCP,PEB,PHMD,PHSL,PMT,PPHD,PPN,PPX,PPZ,PQT,PRN,PR O,PRT,PYN,PYZ,RTN,SFT,SID,SZ,TCF,TFN,THM,TMP,TRB,TRL,TXP,VNT,Zineb; Habitat: T; Effect Codes: MOR; Rejection Code: NO PUBL AS(24DXY,ACL,AMTL,AMTR,ASM,ATN,AZ,BFL,BMC,BMN,BS,BTY,CCA,CMPh,CPY,CPY, CQTC,CTHM,DBN,DCB,DCNA,DDT,DINO,DOD,DPP1,DQTBBr,DU,DZM,EP,EPTC,ES,FMU,FNF,FN T,Folpet,HCCH,HPT,LNR,MCB.

Jones, W. E. (1975). Detection of Pollutants by Fish Tests. *Water Treat.Exam.* 24: 132-139.

EcoReference No.: 20141

Chemical of Concern:

24DXY,PQT,RTN,3CE,MCPA,CN,Hg,Cd,EN,DLDD,DDT,HCCH,DEM,PRN,ES,Zn; Habitat: A; Effect Codes: PHY; Rejection Code: NO CONTROL(ALL CHEMS),NO ENDPOINT,NO CONTROL(24DXY,Zn,ES,PQT).

Kadiiska, M. B., Hanna, P. M., and Mason, R. P. (1993). In Vivo ESR Spin Trapping Evidence for Hydroxyl Radical-Mediated Toxicity of Paraquat and Copper in Rats. *Toxicol.Appl.Pharmacol.* 123: 187-192.

EcoReference No.: 106090

Chemical of Concern: CuS,PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT(CuS,PAQT).

Kataoka, M., Sato, R., and Oshio, H. (1990). Isolation and Partial Characterization of Mutant *Chlamydomonas reinhardtii* Resistant to Herbicide S-23142. *J.Pestic.Sci.* 15: 449-451.

EcoReference No.: 98412

Chemical of Concern: OXF,PAQT,DU; Habitat: A; Effect Codes: POP,BCM; Rejection Code: NO ENDPOINT(ALL CHEMS).

Kaur, M., Ahluwalia, A. S., and Dahuja, S. (2002). Toxicity of a Rice Field Herbicide in a Nitrogen Fixing Alga, *Cylindrospermum* sp. *J.Environ.Biol.* 23: 359-363.

EcoReference No.: 107266

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

Kay, B. L. (1964). Paraquat for Selective Control of Range Weeds. *Weeds* 12: 192-194 .

EcoReference No.: 42121

Chemical of Concern: PAQT,PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Kelly, D. and Skipworth, J. P. (1984). *Tradescantia fluminensis* in Manawatu (New Zealand) Forest II. Management by Herbicides. *N.Z.J.Bot.* 22: 399-402.

EcoReference No.: 44117

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

Ken, C. F., Lin, C. T., Wen, Y. D., and Wu, J. L. (2007). Replacement of Buried Cysteine from Zebrafish Cu/Zn Superoxide Dismutase and Enhancement of Its Stability via Site-Directed Mutagenesis. *Mar.Biotechnol.* 9: 335-342.

EcoReference No.: 106762

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

Khazaeli, A. A. and Curtsinger, J. W. (2000). Genetic Analysis of Extended Lifespan in *Drosophila melanogaster* III. On the Relationship Between Artificially Selected and Wild Stocks. *Genetica* 109: 245-253.

EcoReference No.: 106945

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

Khera, K. S., Whitta, L. L., and Clegg, D. J. (1970). Embryopathic Effects of Diquat and Paraquat in Rats. In: *W.B.Deichmann, J.L.Radomski, and R.A.Penalver (Eds.), Pesticides Symposia, Inter-Am.Conf.on Toxicol.and Occup.Med., Univ.of Miami Schl.of Med., Miami, FL* 257-261.

EcoReference No.: 73112

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

Kimbrough, R. D. and Linder, R. E. (1973). The Ultrastructure of the Paraquat Lung Lesion in the Rat. *Environ.Res.* 6: 265-273.

EcoReference No.: 107113

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

Kissler, W. (1983). Formal Genesis of Pulmonary Fibrosis: Experimental Investigations. *Curr.Top Pathol.* 73: 207-231.

EcoReference No.: 106545

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY,MOR,CEL,BCM; Rejection Code: NO ENDPOINT(PAQT).

Klika, E., Kunc, L., Antalikova, L., and Kuncova, M. (1980). The Morphology of the Lung in the Albino Rat After

Paraquat Administration. *Folia Morphol.(Prague)* 28: 188-191.

EcoReference No.: 104841

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

Klingman, D. L. and Murray, J. J. (1976). Germination of Seeds of Turfgrass as Affected by Glyphosate and Paraquat. *Weed Sci.* 24: 191-193.

EcoReference No.: 41461

Chemical of Concern: GYP,PAQT,PQT; Habitat: T; Effect Codes: PHY,REP; Rejection Code: NO ENDPOINT,NO CONTROL(GYP,PQT).

Kobayashi, M., Kakizono, T., Nishio, N., Nagai, S., Kurimura, Y., and Tsuji, Y. (1997). Antioxidant Role of Astaxanthin in the Green Alga *Haematococcus pluvialis*. *Appl.Microbiol.Biotechnol.* 48: 351-356.

EcoReference No.: 106953

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

Kosinski, R. J. (1984). The Effect of Terrestrial Herbicides on the Community Structure of Stream Periphyton. *Environ.Pollut.Ser.A* 36: 165-189.

EcoReference No.: 10474

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

Kosinski, R. J. and Merkle, M. G. (1984). The Effect of Four Terrestrial Herbicides on the Productivity of Artificial Stream Algal Communities. *J.Environ.Qual.* 13: 75-82.

EcoReference No.: 11864

Chemical of Concern: ATZ,TFN,PAQT,PQT; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(ATZ),OK(TFN,PAQT),NO ENDPOINT,NO CONTROL(PQT).

Kratky, B. A. and Warren, G. F. (1971). The Use of Three Simple, Rapid Bioassays on Forty-Two Herbicides. *Weed Res.* 11: 257-262.

EcoReference No.: 40616

Chemical of Concern:

EDT,SZ,24DC,ATZ,24DXY,ACR,BMC,BMN,BS,DBN,DCPA,DMB,LNR,PQT,TRB,TFN,PYZ,NaN3,PRO,EPTC,BSO,PPN,MLH; Habitat: AT; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(LNR,BMC,PRO,ATZ,SZ,PYZ,NaN3,PPN),NO ENDPOINT(BMC,BS,SZ,DMB,BSO,ACR,PQT),NO ENDPOINT,NO CONTROL(EPTC,24DXY,DCPA,MLH).

Kreiter, S., Brian, F., Magnien, C., Sentenac, G., and Valentin, G. (1991). Spider Mites and Chemical Control of Weeds: Interactions. In: F.Dusbabek and V.Bukva (Eds.), *Modern Acarology Vol.II, VIII Int.Congr.of Acarol., Aug.6-11,1990, Ceske Budejovice, Czechoslovakia, SPB Acad.Publ., The Hague, Netherlands* 2: 725-736.

EcoReference No.: 96868

Chemical of Concern: TBZ,PAQT,GYPI; Habitat: T; Effect Codes: MOR,REP,POP; Rejection Code: LITE EVAL CODED(GYPI),NO ENDPOINT(PAQT),NO MIXTURE(TBZ).

Kufcsak, O., Szegletes, T., Lang, G., Halasy, K., Benedeczky, I., and Nemcsok, J. (1994). Investigation of Effects of Pesticides on Molecular Forms of AChE in Alimentary Canals of Carp. *Pestic.Biochem.Physiol.* 49: 155-163.



EcoReference No.: 16687

Chemical of Concern: MDT,CuS,PQT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(CuS),OK(MDT),NO ENDPOINT(PQT).

Kunc, L., Kuncova, M., and Soldan, F. (1981). The Relationship Between Phospholipid Amount and Surface Activity of Lung Washing. *Folia Morphol.(Praha)* 29: 192-197 .

EcoReference No.: 104840

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

Kunert, K. J. and Boger, P. (1981). The Bleaching Effect of the Diphenyl Ether Oxyfluorfen. *Weed Sci.* 29: 169-173.

EcoReference No.: 98216

Chemical of Concern: PAQT,DU,OXF; Habitat: A; Effect Codes: BCM,POP,PHY; Rejection Code: NO ENDPOINT(ALL CHEMS),NO MIXTURE(DU).

Kurisaki, E. and Sato, H. (1979). Tissue Distribution of Paraquat and Diquat After Oral Administration in Rats. *Forensic Sci.Int.* 14: 165-170.

EcoReference No.: 106318

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

Laberge, G., Seguin, P., Peterson, P. R., Sheaffer, C. C., Ehlke, N. J., Cuomo, G. J., and Mathison, R. D. (2005). Establishment of Kura Clover No-Tilled into Grass Pastures with Herbicide Sod Suppression and Nitrogen Fertilization. *Agron.J.* 97: 250-256.

EcoReference No.: 106130

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

Lakshmi-Kumari, M., Biswas, A., Vijayalakshmi, K., Narayana, H. S., and Subba Rao, N. S. (1974). Effect of Certain Water-Soluble Herbicides on Legume-Rhizobium Symbiosis. *Proc.Indian Natl.Sci.Acad.Part B* 40: 528-534.

EcoReference No.: 77607

Chemical of Concern: AMTL,PAQT,MCPB,24D,24DB; Habitat: T; Effect Codes: GRO,REP; Rejection Code: NO ENDPOINT(AMTL,PAQT,MCPB,24D,24DB).

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).

Langer, C. A., Smith, W. H., and Gebe, G. (1973). Ten Consecutive Years of Weed Control in Each of Two Separate Apple Orchards in new Hampshire. *Proc.Northeast.Weed Sci.Soc.* 27: 257-261.

EcoReference No.: 40921

Chemical of Concern: SZ,PQT; Habitat: T; Effect Codes: PHY,POP; Rejection Code: NO

ENDPOINT,NO CONTROL(SZ,PQT).

Lanie, A. J., Griffin, J. L., Vidrine, P. R., and Reynolds, D. B. (1994). Herbicide Combinations for Soybean (Glycine max) Planted in Stale Seedbed. *Weed Technol.* 8: 17-22.

EcoReference No.: 107705

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

Lapham, V. T. (1965). Further Notes on the Control of Alligatorweed Using Dichlobenil. *Proc.Annu.Meeting Southern Weed Conf.* 18: 552-554.

EcoReference No.: 8564

Chemical of Concern: PCL,24DB,DBN,PQT; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(24D,PQT).

Larsson, B., Oskarsson, A., and Tjalve, H. (1977). Binding of Paraquat and Diquat on Melanin. *Exp.Eye Res.* 25: 353-359.

EcoReference No.: 106546

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

Larsson, B., Oskarsson, A., and Tjalve, H. (1978). On the Binding of the Bisquaternary Ammonium Compound Paraquat to Melanin and Cartilage In Vivo. *Biochem.Pharmacol.* 27: 1721-1724.

EcoReference No.: 37643

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

Lavagno, C., Giulivi, C., and Boveris, A. (1991). Betamethasone Effects on Paraquat Lung Toxicity. *Xenobiotica* 21: 1003-1011.

EcoReference No.: 106743

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,BCM,MOR,PHY; Rejection Code: NO ENDPOINT(PAQT).

Lawrence, J. M., Funderburk, H. H. Jr., Blackburn, R. D., and Beasley, P. G. (1962). The Status of Diquat and Paraquat as Aquatic Herbicides. *Proc.Annu.Conf.Southeast.Assoc.Game Fish Comm.* 16: 247-257.

EcoReference No.: 4829

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

Leisinger, U., Rufenacht, K., Fischer, B., Pesaro, M., Spengler, A., Zehnder, A. J. B., and Eggen, R. I. L. (2001). The Glutathione Peroxidase Homologous Gene from Chlamydomonas reinhardtii is Transcriptionally Up-Regulated by Singlet Oxygen. *Plant Mol.Biol.* 46: 395-408.

EcoReference No.: 106742

Chemical of Concern: HOX,PAQT; Habitat: A; Effect Codes: CEL,BCM; Rejection Code: NO ENDPOINT(HOX,PAQT).

Li, X., Matsumoto, K., Murakami, Y., Tezuka, Y., Wu, Y., and Kadota, S. (2005). Neuroprotective Effects of Polygonum multiflorum on Nigrostriatal Dopaminergic Degeneration Induced by Paraquat and Maneb in Mice. *Pharmacol.Biochem.Behav.* 82: 345-352.

EcoReference No.: 90059

Chemical of Concern: PAQT,Maneb; Habitat: T; Effect Codes: BEH,BCM; Rejection Code: NO MIXTURE(PAQT,Maneb).

Li, Y. M., Chan, H. Y. E., Huang, Y., and Chen, Z. Y. (2008). Broccoli (Brassica oleracea var. botrytis L.) Improves the Survival and Up-Regulates Endogenous Antioxidant Enzymes in Drosophila melanogaster Challenged with Reactive Oxygen Species. *J.Sci.Food Agric.* 88: 499-506.

EcoReference No.: 107739

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

Li, Y. M., Chan, H. Y. E., Huang, Y., and Chen, Z. Y. (2007). Green Tea Catechins Upregulate Superoxide Dismutase and Catalase in Fruit Flies. *Mol.Nutr.Food Res.* 51: 546-554.

EcoReference No.: 107684

Chemical of Concern: HOX,PQT; Habitat: T; Effect Codes: MOR,BCM; Rejection Code: NO CONTROL(PQT,HOX).

Lilius, H., Hastbacka, T., and Isomaa, B. (1995). A Comparison of the Toxicity of 30 Reference Chemicals to Daphnia magna and Daphnia pulex. *Environ.Toxicol.Chem.* 14: 2085-2088.

EcoReference No.: 16385

Chemical of Concern:

TI,HgCl<sub>2</sub>,PAQT,SFL,NaCl,PL,CET,IPA,ETHN,MOL,EGY,FeRS,ASTD,24DXY,CuS,MLN,NCTN,ATP,PQT; Habitat: A; Effect Codes: PHY,MOR; Rejection Code: NO CONTROL(TI,HgCl<sub>2</sub>,PAQT,SFL,NaCl,PL,CET,IPA,ETHN,MOL,EGY,FeRS,ASTD,24DXY,CuS,MLN,NCTN,ATP,PQT).

Lilius, H., Isomaa, B., and Holmstrom, T. (1994). A Comparison of the Toxicity of 50 Reference Chemicals to Freshly Isolated Rainbow Trout Hepatocytes and Daphnia magna. *Aquat.Toxicol.* 30: 47-60.

EcoReference No.: 16756

Chemical of Concern:

CF,PAQT,24DXY,HCCH,MLN,WFN,PL,SFL,LPS,CuS,TI,PCP,CTC,BA,HgCl<sub>2</sub>,NCTN,FeRS,EGY,MOL,ETHN,IPA,CET,ASTO,NaCl,PQT; Habitat: A; Effect Codes: PHY; Rejection Code: NO CONTROL(CF,PAQT,24DXY,HCCH,MLN,WFN,PL,SFL,LPS,CuS,TI,PCP,CTC,BA,HgCl<sub>2</sub>,NCTN,FeRS,EGY).

Lin-Shiau, S. Y. and Cheng, J. W. (1991). Mode of Inhibition by Paraquat and Pyridine Derivatives of Various Cholinesterase Activities. *J.Chin.Biochem.Soc.* 20: 61-69.

EcoReference No.: 105064

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

Lorz, H. W., Glenn, S. W., Williams, R. H., Kunkel, C. M., Norris, L. A., and Loper, B. R. (1979). Effects of Selected Herbicides on Smolting of Coho Salmon. *EPA-600/3-79-071, U.S.EPA, Corvallis, OR* 102 p.

EcoReference No.: 561

Chemical of Concern: PCLK,DMB,ATZ,PAQT,24DXY,ACL,AMTL,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(ATZ,DMB,ACL),OK(PCLK,AMTL),NO ENDPOINT,NO CONTROL(24DXY),NO CONTROL(PQT).

Lugo-Vallin, N. V., Pascuzzo-Lima, C., Maradei-Irastorza, I., Ramirez-Sanchez, M., Sosa-Sequera, M., Agueropena, R., and Granado-Duque, A. (2002). Prolonged Survival After Experimental Paraquat Intoxication: Role of Alternative Antioxidants. *Vet.Hum.Toxicol.* 44: 40-41.

EcoReference No.: 108283

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

Lusse, B., Schroeder, D., and Soeder, C. J. (1986). The Bromothymol-Blue Test: A Simple Algal Bioassay and Its Use for Herbicide Screening. *Arch.Hydrobiol.Suppl.* 73: 147-152.

EcoReference No.: 12947

Chemical of Concern: PAQT,DBAC,PQT; Habitat: A; Effect Codes: PHY; Rejection Code: NO ENDPOINT,NO CONTROL(PAQT,DBAC,PQT).

Madhukar, B. V. and Matsumura, F. (1979). Comparison of Induction Patterns of Rat Hepatic Microsomal Mixed-Function Oxidases by Pesticides and Related Chemicals. *Pestic.Biochem.Physiol.* 11: 301-308.

EcoReference No.: 37794

Chemical of Concern: PCB,DDT,HCCH,DLD,CBL,DZ,CHD,MRX,TCDD,DXN,PYN,PQT,MLN,PAH; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT(ALL CHEMS).

Maini, R. and Winchester, J. F. (1975). Removal of Paraquat from Blood by Haemoperfusion over Sorbent Materials. *Br.Med.J.* 3: 281-282.

EcoReference No.: 106952

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

Malan, C., Visser, J. H., and Grobbellar, N. (1982). Control of Problem Weeds of Maize on the Transvaal Highveld (South Africa). II. *Datura Stramonium* L. *Weed Res.* 22: 101-104.

EcoReference No.: 41332

Chemical of Concern: ATZ,CZE,MCPA,PAQT,PQT; Habitat: T; Effect Codes: POP,MOR; Rejection Code: NO ENDPOINT(ATZ,CZE,MCPA,PAQT,PQT).

Maling, H. M., Saul, W., Williams, M. A., Brown, E. A. B., and Gillette, J. R. (1978). Reduced Body Clearance as the Major Mechanism of the Potentiation by beta2-Adrenergic Agonists of Paraquat Lethality in Rats. *Toxicol.Appl.Pharmacol.* 43: 57-72.

EcoReference No.: 106872

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

Manktelow, B. W. (1967). The Loss of Pulmonary Surfactant in Paraquat Poisoning: A Model for the Study of the Respiratory Distress Syndrome. *Br.J.Exp.Pathol.* 48: 366-369 .

EcoReference No.: 107320

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

Mann, J. D. and Pu, M. (1968). Inhibition of Lipid Synthesis by Certain Herbicides. *Weed Sci.* 1: 197-198.

EcoReference No.: 43988

Chemical of Concern: EDT,SZ,24DXY,ATZ,DBN,TFN,PCP,PCL,EPTC,PPN,PQT,MLH; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT,NO CONTROL(EPTC,EDT,SZ,24DXY,ATZ,DBN,TFN,PCP,PCL,PPN,PQT,MLH).

Mansel, J. K. and Gillespie, D. J. (1986). Oxygenation During Ventilation by High-Frequency Oscillation in Dogs with Acute Lung Injury. *Crit.Care Med.* 14: 955-959 .

EcoReference No.: 105627

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

Markey, S. P., Weisz, A., and Bacon, J. P. (1986). Reduced Paraquat does not Exhibit MPTP-Like Neurotoxicity. *J.Anal.Toxicol.* 10: 257.

EcoReference No.: 105456; Habitat: T; Effect Codes: BCM; Rejection Code: NO COC(PAQT).

Matkovics, B., Barabas, K., Szabo, L., and Berencsi, G. (1980). In Vivo Study of the Mechanism of Protective Effects of Ascorbic Acid and Reduced Glutathione in Paraquat Poisoning. *Gen.Pharmacol.* 11: 455-461.

EcoReference No.: 104838

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

Matkovics, B., Barabas, K., Varga, S. I., Szabo, L., and Berencsi, G. (1982). Some New Data to the Toxicological Effects of Paraquat and the Therapy. *Gen.Pharmacol.* 13: 333-341.

EcoReference No.: 105438

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

Matkovics, B., Szabo, L., Varga, S., Barabas, K., Berencsi, G., and Nemcsok, J. (1984). Effects of a Herbicide on the Peroxide Metabolism Enzymes and Lipid Peroxidation in Carp Fish (*Hypophthalmichthys molitrix*). *Acta Biol.Hung.* 35: 91-96.

EcoReference No.: 11502

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

Matkovics, B., Szabo, L., Varga, S. I., Novak, R., Barabas, K., and Berencsi, G. (1980 ). In Vivo Effects of Paraquat on Some Oxidative Enzymes of Mice. *Gen.Pharmacol.* 11: 267-270.

EcoReference No.: 104839

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

Matkovics, B., Witas, H., Gabrielak, T., and Szabo, L. (1987). Paraquat As an Agent Affecting Antioxidant Enzymes of Common Carp Erythrocytes. *Comp.Biochem.Physiol.C* 87: 217-219.

EcoReference No.: 12725

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

Mayer, F. L. Jr. (1974). Pesticides as Pollutants. In: B.G.Liptak (Ed.), *Environmental Engineer's Handbook*, Chilton Book Co., Radnor, PA 405-418 (Publ in Part As 6797).

EcoReference No.: 70421

Chemical of Concern:

AND,CHD,DDT,DLD,ES,EN,HPT,TXP,DZ,CPY,PRN,CBL,ACL,ATZ,Cu,EDT,SZ,As,MLN,Captan,Naled,24DXY,PPG,TBT,TMP,DU,TCF,DCF,PQT,MLH; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(TBT,PPG,AND,CHD,DDT,DLD,ES,EN,HPT,TXP,DZ,CPY,PRN,CBL,ACL,ATZ,Cu,EDT,SZ,As,MLN,Captan,Naled,TMP,DU,TCF,DCF,PQT,MLH),NO ENDPOINT,NO CONTROL(24DXY).

Mayer, F. L. Jr. and Ellersieck, M. R. (1986). Manual of Acute Toxicity: Interpretation and Data Base for 410

Chemicals and 66 Species of Freshwater Animals. *Resour.Publ.No.160, U.S.Dep.Interior, Fish Wildl.Serv., Washington, DC* 505 p. (USGS Data File).

EcoReference No.: 6797

Chemical of Concern:

EDT,RSM,SZ,24DXY,ACP,ACR,ADC,ATM,ATN,ATZ,AZ,BS,CaPS,Captan,CBF,CBL,CMPH,CQTC,C  
PY,CuS,DBN,DCPA,DCTP,DDVP,DFZ,DMB,DMT,DOD,DPDP,DS,DU,DZ,FO,GYP,HCCCH,HXZ,IGS,  
LNR,MBZ,MCPB,MDT,MLN,MLT,MOM,MP,MTL,NaN<sub>3</sub>,Naled,OML,OYZ,PCP,PEB,PAQT,PRT,PSM,  
Folpet,PYN,CYT,DMM,EFS,NAA,NTP,PMR,PPB,TFN,WFN,RSM,RTN,ALSV,Se,DBAC,Zn,As,MTPN,  
DCB,MTAS,OXD,PEPPG,TBF,CPYM,FLU,PPG,EPTC,TBO,PFF,TMP,TVPM,BSO,ZnS,ES,TCF,FNT,B  
MY,PPN,DCF,BTY,FDE; Habitat: A; Effect Codes: MOR,PHY; Rejection Code: LITE EVAL  
CODED(MTAS,MTPN,DCB,DZ,IGS,ATZ,MTL,MLT,CBF,ADC,MOM,PPB,SZ,DMT,WFN,RTN,CuS,  
DOD,NaN<sub>3</sub>,DMB,RSM,CaPS,MCPB, NaPCP,PCP,AMSV,ALSV,PRT,ATM,CQTC,ATN,DBAC),NO  
CONTROL(PMR,EPTC,PPG,GYP,LNR,PSM,DS,FLU,OYZ,24DXY,DPDP,CPYM,CPY,PEPPG,MP,Nal  
ed,BS,OXD,Captan,MLN,HXZ,TBF,TBO,CMPH,PFF,TMP,TVPM,BSO,DCTP,DU,ZnS,DCPA,OML,AC  
P,DDVP,ES,TCF,FNT,BMY,PPN,DCF,BTY,ACR,PQT,FDE).

Mayeux, H. S. Jr., Scifres, C. S., and Crane, R. A. (1980). *Ericameria austrotexana* and Associated Range Forage Responses to Herbicides. *Weed Sci.* 28: 602-606.

EcoReference No.: 44033

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

Mead, H., Livingston, D., and Ross, B. L. (1976). Herbicide Tolerance Studies in White Clover. *Proc.Br.Weed Control Conf.* 13: 677-679.

EcoReference No.: 41296

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

Meagher, R. L. Jr. and Meyer, J. R. (1990). Influence of Ground Cover and Herbicide Treatments on *Tetranychus urticae* Populations in Peach Orchards. *Exp.Appl.Acarol.* 9: 149-158.

EcoReference No.: 70500

Chemical of Concern: SZ,PAQT; Habitat: T; Effect Codes: POP; Rejection Code: NO  
ENDPOINT(SZ,PAQT).

Mekwatanakarn, P. and Sivasithamparam, K. (1987). Effect of Certain Herbicides on Saprophytic Survival and Biological Suppression of the Take-All Fungus. *New Phytol.* 106: 153-159.

EcoReference No.: 96994

Chemical of Concern: TFN,PAQT,GYP; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL  
CODED(GYP),NO MIXTURE(TFN,PAQT).

Mercurio, S. D. and Combs, G. F. Jr. (1986). Selenium-Dependent Glutathione Peroxidase Inhibitors Increase Toxicity of Prooxidant Compounds in Chicks. *J.Nutr.* 116: 1726-1734.

EcoReference No.: 105048

Chemical of Concern: Se,PQT; Habitat: T; Effect Codes: MOR,BCM; Rejection Code: NO  
CONTROL(PQT).

Mercurio, S. D. and Combs, G. F. Jr. (1986). Synthetic Seleno-Organic Compound with Glutathione Peroxidase-Like Activity in the Chick. *Biochem.Pharmacol.* 35: 4505-4509.

EcoReference No.: 107285

Chemical of Concern: Se,PAQT; Habitat: T; Effect Codes: ACC,BCM,MOR; Rejection Code: NO ENDPOINT,NO CONTROL(PAQT).

Mersie, W., Norman, H. A., and Pillai, P. (1994). Response of Beans and Hairy Fleabane Leaves to Ozone and Paraquat with and Without the Antiozonant, Ethylenediurea. *Environ.Exp.Biol.* 34: 379-383.

EcoReference No.: 44250

Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Meyer, R. E., Morton, H. L., Merkle, M. G., Bovey, R. W., and Davis, F. S. (1970). Brush Control on Forest-Rangelands in East Texas. *J.Range Manag.* 23: 129-132.

EcoReference No.: 42799

Chemical of Concern: 24DXY,BMC,DMB,PCL,PAQT,PQT; Habitat: T; Effect Codes: MOR,PHY; Rejection Code: TARGET(DMB),NO CONTROL,NO ENDPOINT(24DXY,BMC,PQT).

Michan, S., Lledias, F., Baldwin, J. D., Natvig, D. O., and Hansberg, W. (2002). Regulation and Oxidation of Two Large Monofunctional Catalases. *Free Radic.Biol.Med.* 33: 521-532.

EcoReference No.: 106321

Chemical of Concern: ETHN,SRT,NaCl,CdS,CuS,FeSTH,CaCO3,PQT,HOX; Habitat: T; Effect Codes: BCM,REP; Rejection Code: NO ENDPOINT(PQT,NaCl,SRT,ETHN,CuS,HOX).

Michieka, R. W., Ilnicki, R. D., and Justin, J. R. (1977). Weed Control in Double-Crop Soybeans with Herbicides Applied Alone and in Combination with Paraquat or Glyphosate. *Proc.Northeast.Weed Sci.Soc.* 31: 61-69.

EcoReference No.: 40649

Chemical of Concern: GYP,DMM,ACR,LNR,MBZ,PDM,DU,PQT; Habitat: T; Effect Codes: PHY,POP,MOR; Rejection Code: NO ENDPOINT,NO CONTROL(GYP,LNR,DU,PDM,ACR,PQT).

Migliaccio, E., Giorgio, M., Mele, S., Pelicci, G., Reboldi, P., Pandolfi, P. P., Lanfranccone, L., and Pelicci, P. G. (1999). The p66shc Adaptor Protein Controls Oxidative Stress Response and Life Span in Mammals. *Nature* 402: 309-313.

EcoReference No.: 106763

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

Minakata, K., Suzuki, O., Saito, S. I., and Harada, N. (1998). Dietary Mg and/or K Restriction Enhances Paraquat Toxicity in Rats. *Arch.Toxicol.* 72: 450-453.

EcoReference No.: 106950

Chemical of Concern: PAQT; Habitat: T; Effect Codes: GRO,BEH,BCM; Rejection Code: NO ENDPOINT,NO CONTROL(PAQT).

Minois, N. (2001). Resistance to Stress as a Function of Age in Transgenic *Drosophila melanogaster* Overexpressing Hsp70. *J.Insect Physiol.* 47: 1007-1012.

EcoReference No.: 105496

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

Mishra, B. K., Sahu, A. K., and Pani, K. C. (1987). On the Breeding Response of Indian Major Carp, *Labeo rohita* (Ham.), Reared in Weed-Infested Ponds and Exposed to Herbicide Formulations During Normal. *Vet.Ar.* 57: 311-318.

EcoReference No.: 3359

Chemical of Concern: 24DXY,PQT; Habitat: A; Effect Codes: POP,GRO,REP,CEL; Rejection Code: NO ENDPOINT(24DXY).

Mishra, S. R. and Sabat, S. C. (1995). Photosynthetic Electron Transport in *Hydrilla verticillata* (L.) is Insensitive to Methylviologen (Paraquat) Inhibition. *Biochem.Biophys.Res.Commun.* 212: 132-137.

EcoReference No.: 106949

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

Misra, L. P. and Dhuria, H. S. (1978). Effect of Herbicides on the Control of Weeds *Rosa Moschata* *Rosaeglantaria*, *Rubus*, *Berberis* in Apple Orchards. *Pesticides* 12: 27-28.

EcoReference No.: 41406

Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Mizutani, T., Yamashita, M., Okubo, N., Tanaka, M., and Naito, H. (1992). Efficacy of Whole Bowel Irrigation Using Solutions with or Without Adsorbent in the Removal of Paraquat in Dogs. *Hum.Exp.Toxicol.* 11: 495-504.

EcoReference No.: 105443

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

Mockett, R. J., Bayne, A. C. V., Kwong, L. K., Orr, W. C., and Sohal, R. S. (2003). Ectopic Expression of Catalase in *Drosophila* mitochondria Increases Stress Resistance but not Longevity. *Free Radic.Biol.Med.* 34: 207-217.

EcoReference No.: 105175

Chemical of Concern: HOX,PAQT; Habitat: T; Effect Codes: BCM,MOR,PHY,BEH; Rejection Code: NO ENDPOINT(PAQT,HOX).

Mockett, R. J., Orr, W. C., Rahmandar, J. J., Sohal, B. H., and Sohal, R. S. (2001). Antioxidant Status and Stress Resistance in Long- and Short-Lived Lines of *Drosophila melanogaster*. *Exp.Gerontol.* 36: 441-463.

EcoReference No.: 106683

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,BEH,MOR; Rejection Code: NO ENDPOINT(PAQT).

Modee, J., Ivemark, B. I., and Robertson, B. (1972). Ultrastructure of the Alveolar Wall in Experimental Paraquat Poisoning. *Acta.Pathol.Microbiol.Scand.Sect.A.* 80: 54-60.

EcoReference No.: 107085

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

Montgomery, M. R. (1977). Paraquat Toxicity and Pulmonary Superoxide Dismutase: An Enzymic Deficiency of Lung Microsomes. *Res.Communic.Chem.Pathol.Pharmacol.* 16: 155-158 .

EcoReference No.: 104772

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

Moore, S., De Vries, O. M. H., and Tudzynski, P. (2002). The Major Cu,Zn SOD of the Phytopathogen *Claviceps purpurea* is not Essential for Pathogenicity. *Mol.Plant Pathol.* 3: 9-22.



EcoReference No.: 106316

Chemical of Concern: XAN,HOX,PAQT,CuS,FeS; Habitat: T; Effect Codes: CEL,BCM,POP; Rejection Code: NO ENDPOINT(PAQT,CuS,FeS,HOX).

Morey, M., Serras, F., and Corominas, M. (2003). Halving the Selenophosphate Synthetase Gene Dose Confers Hypersensitivity to Oxidative Stress in *Drosophila melanogaster*. *FEBS Lett.* 534: 111-114.

EcoReference No.: 87758

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

Morita, S., Kaminaka, H., Masumura, T., and Tanaka, K. (1999). Induction of Rice Cytosolic Ascorbate Peroxidase mRNA by Oxidative Stress; the Involvement of Hydrogen Peroxide in Oxidative Stress Signalling . *Plant Cell Physiol.* 40: 417-422.

EcoReference No.: 105463

Chemical of Concern: PQT,HOX; Habitat: AT; Effect Codes: CEL,BCM; Rejection Code: NO ENDPOINT(PQT,HOX).

Moss, B. and Woodhead, P. (1975). The Effect of Two Commercial Herbicides on the Settlement, Germination and Growth of *Enteromorpha*. *Mar.Pollut.Bull.* 6: 189-192.

EcoReference No.: 8152

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

Moss, J. L. (1978). Toxicity of Selected Chemicals to the Fairy Shrimp, *Streptocephalus seali*, Under Laboratory and Field Conditions. *Prog.Fish-Cult.* 40: 158-160 .

EcoReference No.: 6248

Chemical of Concern: HCCH,TCF,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: NO ENDPOINT,NO CONTROL(TCF,PQT).

Motooka, P. S., Saiki, D. F., Plucknett, D. L., Young, O. R., and Daehler, R. E. (1967). Control of Hawaiian Jungle with Aerially Applied Herbicide. *Down Earth* 23: 18-22.

EcoReference No.: 43500

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

Mt.Pleasant, J., McCollum, R. E., and Coble, H. D. (1990). Weed Population Dynamics and Weed Control in the Peruvian Amazon. *Agron.J.* 82: 102-112.

EcoReference No.: 73985

Chemical of Concern: MTL,PPN,SXD,BT,ODZ,PAQT; Habitat: T; Effect Codes: POP; Rejection Code: NO CONTROL,TARGET(SXD,MTL,PPN,PAQT).

Munkres, K. D. (1992). Selection and Analysis of Superoxide Dismutase Mutants of *Neurospora*. *Free Radic.Biol.Med.* 13: 305-318.

EcoReference No.: 107809

Chemical of Concern: PAQT; Habitat: AT; Effect Codes: MOR,POP; Rejection Code: NO CONTROL(PAQT).

Muralikrishnan, D., Ebadi, M., and Brown-Borg, H. M. (2002). Effect of MPTP on Dopamine Metabolism in Ames Dwarf Mice. *Neurochem.Res.* 27: 457-464.

EcoReference No.: 104781; Habitat: T; Effect Codes: BCM,BEH; Rejection Code: NO COC(PQT).

Murray, R. E. and Gibson, J. E. (1974). Paraquat Disposition in Rats, Guinea Pigs and Monkeys. *Toxicol.Appl.Pharmacol.* 27: 283-291.

EcoReference No.: 90772

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

Muscarella, A. and Galofaro, V. (1973). Anatomical Lesions in Some Fresh-Water Fish Caused By Paraquat. (Lesioni Anatomico-Patologiche Provocate Dal Paraquat Su Alcuni Pesci Di Acqua Dolce). *Nuova Vet.* 49: 211-221 (ITA) (ENG ABS).

EcoReference No.: 8930

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

Nagao, M., Saitoh, H., Zhang, W. D., Iseki, K., Yamada, Y., Takatori, T., and Miyazaki, K. (1993). Transport Characteristics of Paraquat Across Rat Intestinal Brush-Border Membrane. *Arch.Toxicol.* 67: 262-267.

EcoReference No.: 106951

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

Nagao, M., Takatori, T., Wu, B., Terazawa, K., Gotouda, H., Akabane, H., Inoue, K., and Shimizu, M. (1991). Immunohistochemical Localization of Paraquat in Lung and Brain. *Med.Sci.Law* 31: 61-64.

EcoReference No.: 106554

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

Nagao, M., Zhang, W. D., Itakura, Y., Kobayashi, M., Yamada, Y., Yagi, K., Oono, T., and Takatori, T. (1993). Immunohistochemical Localization and Dynamics of Paraquat in the Stomach and Esophagus of Rats. *Int.J.Legal Med.* 106: 142-144.

EcoReference No.: 104842

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

Nagao, M., Zhang, W. D., Takatori, T., Itakura, Y., Yamada, Y., Iwase, H., Oono, T., and Iwade, K. (1994). Identification and Dynamics of Paraquat in the Bone Marrow, Thymus and Spleen of Rats Using Immunohistochemical Techniques. *Jpn.J.Legal Med.* 48: 166-168.

EcoReference No.: 106338

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

Nagata, T., Masaoka, T., and Akahori, F. (1991). Protective Effect of Taurine Against Acute Paraquat Intoxication in Rats. *J.Toxicol.Sci.* 16: 11-27.

EcoReference No.: 107562

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

Nakajima, M., Nagao, M., Iwasa, M., Monma-Ohtaki, J., Maeno, Y., Koyama, H., Seko-Nakamura, Y., Isobe, I., and Takatori, T. (2000). Purification and Characterization of Diquat (1,1'-Ethylene-2, 2'-Dipyridylum)-Metabolizing Enzyme from Paraquat-Resistant Rat Liver Cytosol. *Toxicology* 154: 55-66.

EcoReference No.: 106271

Chemical of Concern: PQT,DQTBr; Habitat: T; Effect Codes: ACC,MOR; Rejection Code: NO  
ENDPOINT(PQT,DQTBr).

Namdeo, K. N. and Dube, J. N. (1973). Herbicidal Influence on Growth Sensitivity and Mutagenic Transformation in Rhizobia. *Indian J.Exp.Biol.* 11: 114-116.

EcoReference No.: 105460

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

Naylor, J. L., Widdowson, P. S., Simpson, M. G., Farnworth, M., Ellis, M. K., and Lock, E. A. (1995). Further Evidence that the Blood/Brain Barrier Impedes Paraquat Entry into the Brain. *Hum.Exp.Toxicol.* 14: 587-594.

EcoReference No.: 105051

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

Nemcsok, J. and Boross, L. (1981). The Effect of Pesticides on the Proteolytic Enzyme Activity of Fishes. *Acta Biol.Szeged.* 27 : 3-7.

EcoReference No.: 12481

Chemical of Concern: Zn,ZnCl<sub>2</sub>,PQT; Habitat: A; Rejection Code: NO ENDPOINT,NO  
CONTROL(ZnCl<sub>2</sub>,PQT).

Nemcsok, J., Hiripi, L., Patocskai, M., Salanki, J., and Kufcsak, O. (1997). The Effects of Pesticides on Monoaminergic System Related to Periodic Activity of Mussels (*Anodonta cygnea* L.). *Gen.Pharmacol.* 29: 79-83.

EcoReference No.: 104591

Chemical of Concern: MDT,PQT; Habitat: A; Effect Codes: BEH,BCM,MOR; Rejection Code: NO  
CONTROL(PQT,MDT).

Nemcsok, J., Nemeth, A., Buzas, Z., and Boross, L. (1984). Effects of Copper, Zinc and Paraquat on Acetylcholinesterase Activity in Carp (*Cyprinus carpio* L.). *Aquat.Toxicol.* 5: 23-31.

EcoReference No.: 10093

Chemical of Concern: PAQT,CuS,ZnCl<sub>2</sub>,PQT; Habitat: A; Effect Codes: BCM; Rejection Code: LITE  
EVAL CODED(CuS),OK(PAQT),NO ENDPOINT,NO CONTROL(ZnCl<sub>2</sub>,PQT).

Nemcsok, J., Orban, L., Asztalos, B., Buzas, Z., Nemeth, A., and Boross, L. (1985). Investigations on Paraquat Toxicity in Fishes. *Water Int.* 10: 79-81.

EcoReference No.: 6161

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

Nemcsok, J., Orban, L., Asztalos, B., and Vig, E. (1987). Accumulation of Pesticides in the Organs of Carp, *Cyprinus carpio* L., at 4 Degrees and 20 Degrees C. *Bull.EnvIRON.Contam.Toxicol.* 39: 370-378.

EcoReference No.: 12584

Chemical of Concern: PAQT,CuS,PQT; Habitat: A; Effect Codes: ACC,BCM; Rejection Code: NO  
ENDPOINT(PAQT,CuS),NO ENDPOINT,NO CONTROL(PQT).

Ninomiya, K., Oogami, Y., Kino-Oka, M., and Taya, M. (2003). Assessment of Herbicidal Toxicity Based on Non-

Destructive Measurement of Local Chlorophyll Content in Photoautotrophic Hairy Roots. *J.Biosci.Bioeng.* 95: 264-270.

EcoReference No.: 107070

Chemical of Concern: DCA,PAQT,24D; Habitat: A; Effect Codes: BCM,GRO; Rejection Code: NO ENDPOINT(PAQT,DCA,24D).

Nishiuchi, Y. (1974). Control Effect of Pesticide to Duckweed. *Bull.Agric.Chem.Insp.Stn.(Noyaku Kensasho Hokoku)* 14: 69-72 (JPN) (ENG ABS).

EcoReference No.: 15281

Chemical of Concern:

24DXY,ACR,BMC,BS,DBN,DCPA,DU,LNR,MLT,PEB,PMT,PQT,SZ,TBC,PHMD,PYZ,CuS,PCP,PPZ,QOC,EPTC,CYA,BSO,PPN; Habitat: A; Effect Codes: MOR; Rejection Code: NO ENDPOINT,NO CONTROL(QOC,BS,CYA,EPTC,LNR,24DXY,BSO,DU,DCPA,PPN,PMT,ACR,PQT).

Nishiuchi, Y. (1975). Toxicity of Formulated Pesticides to Some Fresh-Water Organisms. XXX. *The Aquiculture /Suisan Zoshoku* 23: 88-91 (JPN).

EcoReference No.: 8163

Chemical of Concern: Captan,MLT,PEB,PQT,Folpet,Cu,CuS,PCP,Zn,QOC,Ziram ; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(Ziram,QOC,Captan,Folpet,PQT).

Nishiuchi, Y. (1979). Toxicity of Pesticides to Some Fresh Water Organisms. XXXXX. *The Aquiculture (Suisan Zoshoku)* 27: 56-60 (JPN).

EcoReference No.: 6955

Chemical of Concern: DZM,Zn,ZnO,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(ZnO,PQT).

Nishiuchi, Y. and Asano, K. (1979). Toxicity of Agricultural Chemicals to Some Freshwater Organisms - LIX. *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,DDVP,DMT,DU,DZ,Folpet,HCCH,LNR,MA L,MDT,MLN,MOM,PCP,PEB,PHMD,PMT,PNB,PPG,PQT,PSM,QOC,TBC,TFN,RTN,CuCl,PPZ,Zn,Ni,As,DCB,CPYM,EPTC,Ziram,TVPM,STRP,SFR,TCF,BMY,PPN,DCF ; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(RTN,Ziram,EPTC,PPG,LNR,PSM,CPYM,CPY,DMT,MLN,BMC,CTN,QOC,Captan,Folpet,A TZ,TVPM,DZ,DU,STRP,SFR,ACP,DDVP,TCF,BMY,PPN,DCF,PMT,ACR,PQT).

Nishiuchi, Y. and Yoshida, K. (1972). Toxicities of Pesticides to Some Fresh Water Snails. *Bull.Agric.Chem.Insp.Stn.* 12: 86-92 (JPN) (ENG ABS) (ENG TRANSL) (Author Communication Used).

EcoReference No.: 9158

Chemical of Concern:

ACR,AMTR,AND,Captan,CBL,CTN,CuOH,CuS,CZE,DCF,DDT,DDVP,DEM,DINO,DMT,DOD,DZ,EN,ES,ETN,FNT,Folpet,HCCH,MDT,MOM,MP,NPH,PAQT,PCP,PEB,PHMD,PHSL,PPN,PQT,PRN,PYN,Q OC,RTN,TBC,TBT,TCF,TDE,TFN,Zineb,Ziram,Zn; Habitat: A; Effect Codes: PHY,GRO; Rejection Code: NO CONTROL(ACR,AMTR,AND,Captan,CBL,CTN,CuOH,CuS,CZE,DCF,DDT,DDVP,DEM,DINO,DMT,DOD,DZ,EN,ES,ETN,FNT,Folpet,HCCH,MDT,MOM,MP,NPH,PAQT,PCP,PEB,PHMD,PHSL,PPN,PQT ,PRN,PYN,QOC,RTN,TBC,TBT,TCF,TDE,TFN,Zineb,Ziram,Zn).

Nokata, M., Tanaka, T., Tsuchiya, K., and Yamashita, M. (1984). Alleviation of Paraquat Toxicity by Kayexalate

and Kalimate in Rats. *Acta Pharmacol.Toxicol.* 55: 158-160 .

EcoReference No.: 106100

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

Noldin, J. A., Chandler, J. M., Ketchersid, M. L., and McCauley, G. N. (1999). Red Rice (*Oryza sativa*) Biology. II. Ecotype Sensitivity to Herbicides. *Weed Technol.* 13: 19-24.

EcoReference No.: 64225

Chemical of Concern: MLT,TBC,FZFP,FNP,SXD,IZT,PAQT,GYP,GFS; Habitat: T; Effect Codes:  
POP; Rejection Code: NO CONTROL(MLT,FNP,SXD,GYP,GFS,PAQT).

Noll, C. J. (1975). Herbicide Weeding of Cucumber Grown in A Stale Seed Bed. *Proc.Northeast.Weed Sci.Soc.* 29: 262-263.

EcoReference No.: 40857

Chemical of Concern: GYP,DMM,MBZ,PQT; Habitat: T; Effect Codes: GRO,POP; Rejection Code:  
NO ENDPOINT,NO CONTROL(GYP,PQT).

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,PQT; Habitat: A; Effect Codes: CEL; Rejection Code: NO ENDPOINT(SZ,PAQT),NO ENDPOINT,NO CONTROL(LNR,24DXY,DU,ATZ,PQT).

Norris, E. H., Uryu, K., Leight, S., Giasson, B. I., Trojanowski, J. Q., and Lee, V. M. Y. (2007). Pesticide Exposure Exacerbates alpha-Synucleinopathy in an A53T Transgenic Mouse Model. *Am.J.Pathol.* 170: 658-666.

EcoReference No.: 104925

Chemical of Concern: PAQT,Maneb; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: NO  
ENDPOINT(PAQT,Maneb).

O'Fallon, J. V. and Wright, R. W. Jr. (1991). Methyl Viologen as a Preferred Electron Acceptor in Metabolic Experiments. *Anal.Biochem.* 198: 179-183.

EcoReference No.: 104926

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

O'Sullivan, P. A. and O'Donovan, J. T. (1982). Influence of Several Herbicides for Broad-Leaved Weed Control and Tween 20 on the Phytotoxicity of Paraquat. *Can.J.Plant Sci.* 62: 445-452.

EcoReference No.: 41300

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

O'Sullivan, P. A., O'Donovan, J. T., and Weiss, G. M. (1983). Influence of Stage of Application of Glyphosate and Paraquat with and Without Tween 20 on the Control of Annual Grass Species. *Can.J.Plant Sci.* 63: 1039-1046.

EcoReference No.: 41020

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

Ogawa, M. and Kitamura, H. (1988). Biological Assay of Plant Growth-Regulating Compounds Using Lemnaceae Plants. *Annu.Rep.Sankyo Res.Lab.(Sankyo Kenkyusho Nempo)* 40: 91-99 (JPN)(ENG ABS).

EcoReference No.: 3228

Chemical of Concern: BTC,EPTC,PAQT,DCPA,GYP,LNR,NPM,24DXY,AMTL,PCP,MCP1,DU,PQT;  
Habitat: A; Effect Codes: GRO; Rejection Code: NO COC(CBL),NO ENDPOINT,NO  
CONTROL(EPTC,GYP,LNR,24DXY,DU,PQT).

Ogg, A. G. Jr. and Zimmerman, C. E. (1976). Effects of Paraquat and Dinoseb in Hops. *Weed Sci.* 24: 493-495.

EcoReference No.: 41383

Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Oikari, A., Kukkonen, J., and Virtanen, V. (1992). Acute Toxicity of Chemicals to *Daphnia magna* in Humic Waters. *Sci.Total Environ.* 117/118: 367-377 (Publ in Part As 12827, 16674).

EcoReference No.: 5679

Chemical of Concern: HCCH,PYN,CuS,PAQT,Hg,Zn,Cr,Cd,PCP,EFV,PQT; Habitat: A; Effect Codes:  
MOR; Rejection Code: LITE EVAL CODED(CuS,OW-TRV-  
Cu,PCP),OK(HCCH,PYN,Hg,Zn,Cr,Cd,EFV),NO CONTROL(PQT).

Okamoto, O. K. and Hastings, J. W. (2003). Genome-Wide Analysis of Redox-Regulated Genes in a Dinoflagellate. *Gene* 321: 73-81.

EcoReference No.: 104927

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

Oloruntuyi, O. O., Mulero, O., and Odukale, B. (1993). The Effect of Two Pesticides on *Clarias gariepinus*. In: *A.A.Eyo and A.M.Balogun (Eds.), Proc.of the 10th Annu.Conf.of the Fish.Soc.of Nigeria Fison, Nov.16-20, 1992, Abeokuta, Nigeria* 173-177.

EcoReference No.: 19235

Chemical of Concern: GYPI,PQT; Habitat: A; Effect Codes: CEL,MOR; Rejection Code: NO  
CONTROL(GYPI,PQT).

Orr, W. C. and Sohal, R. S. (1992). The Effects of Catalase Gene Overexpression on Life Span and Resistance to Oxidative Stress in Transgenic *Drosophila melanogaster*. *Arch.Biochem.Biophys.* 297: 35-41.

EcoReference No.: 105461

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

Ortiz, G. G., Reiter, R. J., Zuniga, G., Melchiorri, D., Sewerynek, E., Pablos, M. I., Oh, C. S., Garcia, J. J., and Bitzer-Quintero, O. K. (2000). Genotoxicity of Paraquat: Micronuclei Induced in Bone Marrow and Peripheral Blood are Inhibited by Melatonin. *Mutat.Res.* 464: 239-245.

EcoReference No.: 105458

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

Osheroff, M. R., Schaich, K. M., Drew, R. T., and Borg, D. C. (1985). Failure of Desferrioxamine to Modify the Toxicity of Paraquat in Rats. *J.Free Radic.Biol.Med.* 1: 71-82.

EcoReference No.: 105469

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

Oskarsson, A. and Tjalve, H. (1976). High Uptake in the Erythrocytes and the Spleen of the Quaternary Dipyrilidium Salt Paraquat Injected Intravenously in Hypotonic Solutions. *Acta Pharmacol.Toxicol.* 39: 481-499.

EcoReference No.: 106099

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

Ozawa, K. (1985). (C-I) Herbicides: Rice. *Jpn.Pestic.Inf.* 47: 26-27 (ABS).

EcoReference No.: 82423

Chemical of Concern: MLT,BTC,PAQT,TRB,DU,DCPA; Habitat: T; Effect Codes: POP; Rejection Code: NO CONTROL,NO ENDPOINT(ALL CHEMS).

Palmer, J. S. (1972). Toxicity of 45 Organic Herbicides to Cattle, Sheep and Chickens. *Prod.Res.Rep.No.137, Agric.Res.Serv., U.S.Dep.of Agric., Washington, DC.*

EcoReference No.: 80557

Chemical of Concern:

24DXYYE,MCPB,MCPA,PEB,VNT,EPTC,MSMA,CCA,TFN,PAQT,DQTBr,NPM,PYZ,DCPA,AMTL,DMDP,24D; Habitat: T; Effect Codes: GRO,MOR,BEH; Rejection Code: NO ENDPOINT(ALL CHEMS).

Palmer, R. D. and Helpert, C. W. (1974). Rice Weed Control in the Western Belt of Texas. *Proc.So.Wd.S.S.* 27: 127-135.

EcoReference No.: 40916

Chemical of Concern: BT,TBC,PQT; Habitat: T; Effect Codes: MOR,BCM,GRO,PHY; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Paramchuk, W. J., Ismail, S. O., Bhatia, A., and Gedamu, L. (1997). Cloning, Characterization and Overexpression of Two Iron Superoxide Dismutase cDNAs from Leishmania chagasi: Role in Pathogenesis. *Mol.Biochem.Parasitol.* 90: 203-221.

EcoReference No.: 104928

Chemical of Concern: PAQT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: NO CONTROL,ENDPOINT(PAQT).

Parker, C. and Dean, M. L. (1972). The Effect of Some Plant Growth Regulators on the Sprouting of Cyperus rotundus and Its Response to Herbicides. *Proc.Br.Weed Control Conf.* 11: 744-751.

EcoReference No.: 40595

Chemical of Concern: 24DXY,CFRM,PAQT,TRB,EPTC,As; Habitat: T; Effect Codes: PHY,GRO,POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

Parochetti, J. V. (1977). Herbicides for No-Tillage Double Cropped Soybeans. *Proc.Northeast.Weed Sci.Soc.* 31: 54-60.

EcoReference No.: 41107

Chemical of Concern: GYP,OXF,DMM,MBZ,PQT; Habitat: T; Effect Codes: MOR,REP,PHY; Rejection Code: NO ENDPOINT,NO CONTROL(OXF,GYP,PQT).

Parochetti, J. V. and Bell, A. W. (1977). Residual Herbicides on No-Tillage Corn in a Rye Cover Crop. *Proc.Northeast.Weed Sci.Soc.* 31: 24-29.

EcoReference No.: 41106

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

Patterson, C. E., Butler, J. A., Byrne, F. D., and Rhodes, M. L. (1985). Oxidant Lung Injury: Intervention with Sulfhydryl Reagents. *Lung* 163: 23-32.

EcoReference No.: 106568

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

Perschbacher, P. W. and Ludwig, G. M. (2004). Effects of Diuron and Other Aerially Applied Cotton Herbicides and Defoliant on the Plankton Communities of Aquaculture Ponds. *Aquaculture* 233: 197-203.

EcoReference No.: 102117

Chemical of Concern: NaClO,EPH,DMP,QZF,PAQT,DU,TBF; Habitat: A; Effect Codes: PHY,BCM,POP; Rejection Code: LITE EVAL CODED(DU),NO ENDPOINT(NaClO,EPH,DMP,QZF,PAQT,TBF).

Peters, R. A. and Dest, W. M. (1973). Glyphosate for Perennial Sod Kill in No-Tillage Corn. *Proc.Northeast.Weed Sci.Soc.* 27: 1-6.

EcoReference No.: 41105

Chemical of Concern: ATZ,SZ,GYP,PAQT,PQT; Habitat: T; Effect Codes: MOR,PHY,POP; Rejection Code: TARGET(ATZ,SZ),OK(PAQT),NO ENDPOINT,NO CONTROL(GYP,PQT).

Pfeiffer, D. G. (1986). Effects of Field Applications of Paraquat on Densities of *Panonychus ulmi* (Koch) and *Neoseiulus fallacis* (Garman). *J.Agric.Entomol.* 3: 322-325.

EcoReference No.: 105462

Chemical of Concern: PQT,SZ; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE(PQT),NO CONTROL(SZ).

Phillips, J. P., Campbell, S. D., Michaud, D., Charbonneau, M., and Hilliker, A. J. (1989). Null Mutation of Copper/Zinc Superoxide Dismutase in *Drosophila* Confers Hypersensitivity to Paraquat and Reduced Longevity. *Proc.Natl.Acad.Sci.* 86: 2761-2765.

EcoReference No.: 99945

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR; Rejection Code: NO COC(Zn),NO ENDPOINT(PAQT).

Pierce, P. C., Frey, J. E., and Yawn, H. M. (1965). Field Evaluations of Newer Aquatic Herbicides. In: *Proc.18th Annu.Meet.South.Weed Conf.* 497-506.

EcoReference No.: 8258

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

Pokorny, J., Mentberger, J., Losos, B., Hartman, P., and Hetesa, J. (1971). Changes in Hydrochemical and Hydrobiological Relations Occurring when *Elodea canadensis* was Controlled with Paraquat. In: *Proc.Eur.Weed Res.Counc.3rd Int.Symp.Aquat.Weeds* 217-229.

EcoReference No.: 16292

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

Portmann, J. E. (1972). Results of Acute Toxicity Tests with Marine Organisms, Using a Standard Method. In:



M.Ruivo (Ed.), *Marine Pollution and Sea Life*, FAO, Rome, Italy / Fishing News (Books) Ltd., London, England 212-217 (Author Communication Used).

EcoReference No.: 9258

Chemical of Concern:

Maneb,Zn,NYP,Fe,Cr,Cu,ACY,MLN,FML,SZ,DDT,PL,PRN,MCRE,HCCH,ATZ,DLD,PAQT,AZ,Hg,DQ  
T,Br,ES,Ni,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL  
CODED(AZ,ATZ,SZ,Cu,Cr),OK(ALL CHEMS),NO CONTROL(MLN,Maneb,Zn,ES,PQT).

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,HgCl<sub>2</sub>,NYP,Cd,Pb,Maneb,DDT,FML,PRN,EPRN,  
DLD,DPDP,PAQT,PL,ACY,ES,HCCH,MCRE,TI,PQT,HCl,SUA,NaCl; Habitat: A; Effect Codes:  
MOR; Rejection Code: LITE EVAL CODED(AZ,ATZ,SZ,DMT,CuS,CrAC),NO  
CONTROL(SFL,24DXY,DPDP,MLN,MZB,Maneb,CIT,ACAC,NaOH,ES,PQT,HCl,SUA,NaCl).

Pozzi, E., Luisetti, M., Spialtini, L., Coccia, P., Rossi, A., Donnini, M., Cetta, G., and Salmona, M. (1989). Relationship Between Changes in Alveolar Surfactant Levels and Lung Defence Mechanisms. *Respiration* 55: 53-59.

EcoReference No.: 104913

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

Prashad, D. N., Chambers, D., and Beadle, D. J. (1981). Changes in Renal Function Associated with Paraquat Dichloride Toxicity in the Domestic Fowl. *Gen.Pharmacol.* 12: 291-293.

EcoReference No.: 107704

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

Prashanth, S. R., Sadhasivam, V., and Parida, A. (2008). Over Expression of Cytosolic Copper/Zinc Superoxide Dismutase from a Mangrove Plant *Avicennia marina* in indica Rice var Pusa Basmati-1 Confers Abiotic Stress Tolerance. *Transgenic Res.* 17: 281-291.

EcoReference No.: 107265

Chemical of Concern: NaCl,PAQT; Habitat: T; Effect Codes: BCM,CEL,PHY; Rejection Code: NO  
ENDPOINT,NO CONTROL(NaCl),NO IN VITRO(PAQT).

Prendeville, G. N. and Warrens, G. F. (1977). Effect of Four Herbicides and Two Oils on Leaf-Cell Membrane Permeability. *Weed Res.* 17: 251-258.

EcoReference No.: 41767

Chemical of Concern: OXF,PQT; Habitat: T; Effect Codes: PHY,BCM; Rejection Code: NO  
ENDPOINT,NO CONTROL(OLF,PQT).

Pyne, W. J., Szabo, S. S., and Holm, R. E. (1979). Synthesis and Herbicidal Activity of N-Alkyl-N-Propargyl-N'-Phenylureas and Related Compounds. *J.Agric.Food Chem.* 27: 537-543.

EcoReference No.: 42835

Chemical of Concern: DU,ACR,LNR,PQT; Habitat: T; Effect Codes: PHY; Rejection Code: NO  
ENDPOINT,NO CONTROL(LNR,DU,ACR,PQT).

Rabinowitch, H. D. and Fridovich, I. (1985). Growth of *Chlorella sorokiniana* in the Presence of Sulfite Elevates Cell Content of Superoxide Dismutase and Imparts Resistance Towards Paraquat. *Planta* 164: 524-528.

EcoReference No.: 105497

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

Rabinowitch, H. D., Privalle, C. T., and Fridovich, I. (1987). Effects of Paraquat on the Green Alga *Dunaliella salina*: Protection by the Mimic of Superoxide Dismutase, Desferal-Mn(IV). *Free Radic.Biol.Med.* 3: 125-131.

EcoReference No.: 108215

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

Rabinowitch, H. D., Rosen, G. M., and Fridovich, I. (1987). Contrasting Fates of the Paraquat Monocation Radical in *Escherichia coli* B and in *Dunaliella salina*. *Arch.Biochem.Biophys.* 257: 352-356.

EcoReference No.: 4970

Chemical of Concern: PQT; Habitat: A; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Rady, P., Arany, I., Uzvolgyi, E., and Bojan, F. (1981). Activity of Pyruvate Kinase and Lactic Acid Dehydrogenase in Mouse Lung After Transplacental Exposure to Carcinogenic and Non-Carcinogenic Chemicals. *Toxicol.Lett.* 8: 223-227.

EcoReference No.: 94946

Chemical of Concern: PYR,PAH,BAP,DMBA,CHR,PQT; Habitat: T; Effect Codes: BCM; Rejection Code: NO COC(ANT),NO ENDPOINT(PYR,CHR,PQT).

Raju, R. A. and Reddy, M. N. (1993). Chemical Control of Swamp Morning Glory (*Ipomoea aquatica* Forsk) in Drainage Water-Bodies. In: *Proc.Int.Symp.Indian Soc.of Weed Science, Nov.18-20, Hisar, India* 3: 247-249.

EcoReference No.: 16008

Chemical of Concern: 24DXY,PQT; Habitat: A; Effect Codes: POP,REP; Rejection Code: NO ENDPOINT(24DXY,PQT).

Ramanujam, T., Nagarajan, M., Sethuraman, S., and Pillaiyar, P. (1979). Desiccation of Paddy Crop with Gramoxone (Paraquat) and Reglone (Diquat). *Pesticides* 13: 40-44.

EcoReference No.: 106101

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

Rao, A. S. and Rao, K. N. (1986). Control of *Ipomoea carnea* Jacp. with Herbicides. *Pesticides (Bombay)* 20: 52-54.

EcoReference No.: 106319

Chemical of Concern: NaDPA,24D,PDMS; Habitat: T; Effect Codes: MOR,POP; Rejection Code: NO MIXTURE(PDMS,NaDPA),TARGET(24D).

Rao, B. V. (1987). Effects of Two Agrochemicals (Dicofol and Paraquat) on Mitotic Divisions in *Allium cepa* Root Meristems. *Indian J.Bot.* 10: 192-198.

EcoReference No.: 104823

Chemical of Concern: DCF,PAQT; Habitat: T; Effect Codes: CEL; Rejection Code: NO ENDPOINT(PAQT,DCF).

Reddy, M. V., Kumar, V. P. K., Reddy, V. R., Balashouri, P., Yule, D. F., Cogle, A. L., and Jangawad, L. S. (1995). Earthworm Biomass Response to Soil Management in Semi-Arid Tropical Alfisol Agroecosystems . *Biol.Fertil.Soils* 19: 317-321.

EcoReference No.: 74727

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

Reinecke, A. J., Helling, B., Louw, K., Fourie, J., and Reinecke, S. A. (2002). The Impact of Different Herbicides and Cover Crops on Soil Biological Activity in Vineyards in the Western Cape, South Africa . *Pedobiologia* 46: 475-484.

EcoReference No.: 70943

Chemical of Concern: GYP,SZ,PAQT; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(SZ),NO SPECIES(GYP,PAQT).

Renner, G., Kramer, H. J., and Gokel, J. M. (1982). Studies on Oxygen Toxicity After Simultaneous Administration of Paraquat and Chelate-Forming Agents in Rats. *Chemosphere* 11: 741-746.

EcoReference No.: 105495

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

Reveillaud, I., Niedzwiecki, A., Bensch, K. G., and Fleming, J. E. (1991). Expression of Bovine Superoxide Dismutase in *Drosophila melanogaster* Augments Resistance to Oxidative Stress. *Mol.Cell Biol.* 11: 632-640.

EcoReference No.: 104929

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

Reveillaud, I., Phillips, J., Duyf, B., Hilliker, A., Kongpachith, A., and Fleming, J. E. (1994). Phenotypic Rescue by a Bovine Transgene in a Cu/Zn Superoxide Dismutase-Null Mutant of *Drosophila melanogaster*. *Mol.Cell Biol.* 14: 1302-1307.

EcoReference No.: 104930

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

Reynolds, T. (1989). Comparative Effects of Heterocyclic Compounds on Inhibition of Lettuce Fruit Germination. *J.Exp.Bot.* 40: 391-404 (OECDG Data File).

EcoReference No.: 56369

Chemical of Concern: PQT,NAPH,IAA,PHA,PHI,IND,MLH; Habitat: T; Effect Codes: REP; Rejection Code: LITE EVAL CODED(IAA,NAPH),NO CONTROL(PHA,PHI,IND,PQT,MLH).

Riepma, K. P. (1965). The Effect of Disodium Methylarsonate, Dalapon, Amitrole-T and Paraquat on *Axonopus compressus*, *Ottochloa nodosa* and *Paspalum conjugatum*. *Weed Res.* 5: 151-157.

EcoReference No.: 42307

Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Riepma, K. P. (1962). The Effect of Paraquat on Some Grasses and Other Weeds Commonly Found in Rubber Plantations. *J.Rubber Res.Inst.Malays.* 17: 141-149.

EcoReference No.: 42751

Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Riepma, P. (1963). Herbicidal Effect and Plant Succession When Using Paraquat and Amitrole Against *Paspalum conjugatum* and *Melastoma malabathricum*. *J.Rubber Res.Inst.Malays.* 18: 15-27.

EcoReference No.: 42104

Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Ritter, R. L. and Kaufman, L. M. (1989). Giant Foxtail (*Setaria faberi*) Control in Full-Season No-Till Soybeans (*Glycine max*) . *Weed Technol.* 3: 151-154.

EcoReference No.: 74047

Chemical of Concern: MTL,OYZ,ACR,CZE,LNR,PAQT; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT,CONTROL,TARGET(MTL,OYZ,LNR,ACR,PAQT).

Rodriguez-Kabana, R., Curl, E. A., and Funderburk, H. H. Jr. (1967). Effect of Paraquat on Growth of *Sclerotium rolfsii* in Liquid Culture and Soil. *Phytopathology* 57: 911-915.

EcoReference No.: 107327

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,GRO,PHY; Rejection Code: NO ENDPOINT(PAQT).

Rogachev, I., Kampel, V., Gusis, V., Cohen, N., Gressel, J., and Warshawsky, A. (1998). Synthesis, Properties, and Use of Copper-Chelating Amphiphilic Dithiocarbamates as Synergists of Oxidant-Generating Herbicides. *Pestic.Biochem.Physiol.* 60: 133-145.

EcoReference No.: 105133

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

Rojik, I., Nemcsok, J., and Boross, L. (1983). Morphological and Biochemical Studies on Liver, Kidney and Gill of Fishes Affected by Pesticides. *Acta Biol.Hung.* 34: 81-92.

EcoReference No.: 11287

Chemical of Concern: PQT,CuS,Zn,ZnCl<sub>2</sub>; Habitat: A; Effect Codes: BCM,CEL; Rejection Code: NO ENDPOINT,NO CONTROL(PQT,CuS,Zn,ZnCl<sub>2</sub>).

Romney, D. H. (1964). Observations on the Effect of Herbicides on Young Coconuts. *Weed Res.* 4: 24-30.

EcoReference No.: 42152

Chemical of Concern: PQT,DQTBr,MCPB,AMTL,24DXY; Habitat: T; Effect Codes: PHY,GRO; Rejection Code: NO ENDPOINT(MCPB,AMTL,24DXY),NO MIXTURE(PQT,DQTBr).

Rose, M. S., Crabtree, H. C., Fletcher, K., and Wyatt, I. (1974). Biochemical Effects of Diquat and Paraquat. Disturbance of the Control of Corticosteroid Synthesis in Rat Adrenal and Subsequent Effects on the Control of Liver Glycogen Utilization. *Biochem.J.* 138: 437-443.

EcoReference No.: 38572

Chemical of Concern: PQT,NaCl; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT(PQT,NaCl).

Rose, M. S. and Smith, L. L. (1977). The Relevance of Paraquat Accumulation by Tissues. In: A.P.Autor (Ed.), *Biochemical Mechanisms of Paraquat Toxicity*, Academic Press, New York 71-91.

EcoReference No.: 106553

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

Rose, M. S. and Smith, L. L. (1977). Tissue Uptake of Paraquat and Diquat. *Gen.Pharmacol.* 8: 173-176.

EcoReference No.: 107703

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

Roslansky, D. R., Marten, G. C., and Behrens, R. (1975). Control of Reed Canarygrass Seedlings in Culm Propagules of Reed Canarygrass. *Crop Sci.* 15: 26-29.

EcoReference No.: 41564

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

Roslycky, E. B. (1977). Response of Soil Microbiota to Selected Herbicide Treatments. *Can.J.Microbiol.* 23: 426-433.

EcoReference No.: 95289

Chemical of Concern: PAQT,LNR,DU,ATZ,SZ; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE(LNR,DU,ATZ,SZ),NO ENDPOINT(ALL CHEMS).

Ross, J. H., Lim, L. O., and Krieger, R. I. (1979). Herbicidal Potency of 1,1'-Alkyl-4,4'-Bipyridylum Salts as a Function of Their Physicochemical Constants in Duckweed. *Drug Chem.Toxicol.* 2: 193-205.

EcoReference No.: 15053

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

Rossouw, D. J., Chase, C. C., and Engelbrecht, F. M. (1984). Experimental Paraquat Poisoning - Histological, Electron Microscopic and Autoradiographic Changes in the Lung. *S.Afr.Med.J.* 66: 485-489.

EcoReference No.: 104914

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

Rovesti, L. and Deseo, K. V. (1990). Compatibility of Chemical Pesticides with the Entomopathogenic Nematodes, *Steinernema carpocapsae* Weiser and *S.feltiae* Filipjev (Nematoda: Steinernematidae). *Nematologica* 36: 237-245.

EcoReference No.: 70083

Chemical of Concern:

FMP,PPG,AMZ,AND,MOM,PRT,MTAS,DZ,PRN,PPHD,ES,PAQT,ACR,DOD,CYX,TFN,OXF,PHMD,LNR,PNB; Habitat: T; Effect Codes: BEH,PHY; Rejection Code: NO COC(CTN),NO ENDPOINT(FMP,PPG,AMZ,AND,MOM,DZ,PRN,PPHD,ES,PAQT,ACR,DOD,CYX,TFN,OXF,PHMD,LNR,PNB,MTAS,PRT).

Rovesti, L. and Deseo, K. V. (1991). Compatibility of Pesticides with the Entomopathogenic Nematode, *Heterorhabditis heliothidis*. *Nematologica* 37: 113-116.

EcoReference No.: 102311

Chemical of Concern: TFN,GYP,LNR,PQT,PPHD,DZ,TBO,ACP,CBF,MOM; Habitat: T; Effect Codes: PHY,POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

Rovesti, L., Heinzpeter, E. W., Tagliente, F., and Deseo, K. V. (1988). Compatibility of Pesticides with the Entomopathogenic Nematode *Heterorhabditis bacteriophora* Poinar (Nematoda: Heterorhabditidae). *Nematologica* 34: 462-476.

EcoReference No.: 93075

Chemical of Concern:

DOD,FRM,AMZ,PCZ,CHX,PPM,FOLPET,MLX,CBF,CBD,MTAS,DCF,Dino,CTN,SFR,CuS,THM,MZB,PPG,DZ,ES,HCCH,PRN,PRT,TBO,FNF,CPY,ADC,MOM,DFZ,HTX,OXF,ACR,PQT; Habitat: A; Effect Codes: MOR, BEH; Rejection Code: NO  
ENDPOINT(AMZ,FRM,PCZ,CHX,FOLPET,PPM,MLX,CBF,CBD,DCF,Dino,CTN,SFR,CuS,THM,MZB,PPG,DFZ,MOM,ADC,FNF,DCF,TBO,PRN,HCCH,ES,DZ,CPY,DOD,MTAS,PRT,ES,ACR,PQT).

Rui, O. and Hahn, M. (2007). The Slr2-Type MAP Kinase Bmp3 of Botrytis cinerea is Required for Normal Saprotrophic Growth, Conidiation, Plant Surface Sensing and Host Tissue Colonization. *Mol.Plant Pathol.* 8: 173-184.

EcoReference No.: 104818

Chemical of Concern: HOX,NaCl,PAQT,FX; Habitat: T; Effect Codes: POP,GRO; Rejection Code: NO  
ENDPOINT(PAQT,NaCl,HOX).

Runko, A. P., Griswold, A. J., and Min, K. T. (2008). Overexpression of Frataxin in the Mitochondria Increases Resistance to Oxidative Stress and Extends Lifespan in Drosophila. *FEBS Lett.* 582: 715-719.

EcoReference No.: 107731

Chemical of Concern: FeCl,PAQT,HOX; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: NO  
ENDPOINT(PAQT,HOX).

Saenghirunvattana, S., Laohathai, P., Sangguanrungsirikul, S., Worapongpaiboon, S., Masakul, N., and Saenghirunvattana, K. (2007). Effectiveness of Activated Hydrogen Ions in Neutralizing Paraquat Intoxication in Rats. *J.Med.Assoc.Thai* 90: 1097-1099.

EcoReference No.: 107561

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

Sahid, I., Hamzah, A., and Aris, P. M. (1992). Effects of Paraquat and Alachlor on Soil Microorganisms in Peat Soil. *Pertanika* 15: 121-125.

EcoReference No.: 104844

Chemical of Concern: PAQT,ACR; Habitat: T; Effect Codes: SYS; Rejection Code: NO  
ENDPOINT(PAQT,ACR).

Saibara, T., Toda, K., Wakatsuki, A., Ogawa, Y., Ono, M., and Onishi, S. (2003). Protective Effect of 3-Methyl-1-Phenyl-2-Pyrazolin-5-One, a free Radical Scavenger, on Acute Toxicity of Paraquat in Mice. *Toxicol.Lett.* 143: 51-54.

EcoReference No.: 106740

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

Sakamoto, T., Delgaizo, V. B., and Bryant, D. A. (1998). Growth on UREA can Trigger Death and Peroxidation of the Cyanobacterium Synechococcus sp. Strain PCC 7002. *Appl.Environ.Microbiol.* 64: 2361-2366.

EcoReference No.: 106626

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

Salanki, J. (1979). Behavioural Studies on Mussels Under Changing Environmental Conditions. *Symp.Biol.Hung.* 19: 169-176.

EcoReference No.: 7241

Chemical of Concern: PQT,CuS,Cd; Habitat: A; Effect Codes: BEH; Rejection Code: NO  
ENDPOINT(CuS,Cd),NO ENDPOINT,NO CONTROL(PQT).

Samuilov, V. D., Bezryadnov, D. B., Gusev, M. V., Kitashov, A. V., and Fedorenko, T. A. (2001). Hydrogen Peroxide Inhibits Photosynthetic Electron Transport in Cells of Cyanobacteria. *Biochemistry (Mosc.)* 66: 640-645.

EcoReference No.: 106623

Chemical of Concern: HOX,PQT,SCA; Habitat: A; Effect Codes: PHY,BCM; Rejection Code: LITE  
EVAL CODED(HOX),NO ENDPOINT(PQT,SCA).

Sanchez-Hernandez, J. C. and Walker, C. H. (2000). In Vitro and In Vivo Cholinesterase Inhibition in Lacertides by Phosphonate- and Phosphorothioate-Type Organophosphates. *Pestic.Biochem.Physiol.* 67: 1-12.

EcoReference No.: 63583

Chemical of Concern: TCF,DDVP,PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: NO  
ENDPOINT(TCF,DDVP,PAQT).

Sanders, H. O. (1969). Toxicity of Pesticides to the Crustacean Gammarus lacustris. *Tech.Pap.No.25, U.S.D.I., Bur.Sports Fish.Wildl., Fish Wildl.Serv., Washington, DC* 18 p. (Author Communication Used) (Used with Reference 732) (Publ in Part As 6797).

EcoReference No.: 885

Chemical of Concern:

SZ,EDT,24DXY,AZ,CBL,CMPH,CPY,DBN,DDVP,DMB,DMT,DS,DU,DZ,HCCH,MLN,MLT,Naled,PAQT,PRT,TFN,RTN,NaN3,ATN,OXD,Captan,TBF,PPG,TMP,DCTP,ES,TCF,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL  
CODED(CBL,AZ,DZ,MLT,SZ,DMT,RTN,NaN3,DMB,PRT,ATN),NO  
CONTROL(PPG,DS,24DXY,CPY,MLN,Naled,OXD,Captan,TBF,CMPH,TMP,DCTP,DU,DDVP,ES,TCF,PQT).

Sanders, H. O. and Cope, O. B. (1968). The Relative Toxicities of Several Pesticides to Naiads of Three Species of Stoneflies. *Limnol.Oceanogr.* 13: 112-117 (Author Communication Used) (Publ in Part As 6797).

EcoReference No.: 889

Chemical of Concern:

24DXY,AZ,CBL,CPY,DBN,DDVP,DMT,DS,DU,DZ,HCCH,MLN,MLT,Naled,PYN,TFN,RTN,As,NaN3,ATN,OXD,Captan,TBF,TMP,DCTP,ES,TCF,FNT,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(CBL,DZ,MLT,DMT,RTN,NaN3,ATN),NO  
CONTROL(DS,24DXY,CPY,TBF,Naled,OXD,Captan,MLN,TMP,DCTP,DU,DDVP,ES,TCF,FNT),NO  
ENDPOINT(PQT).

Sanders, H. O. and Cope, O. B. (1966). Toxicities of Several Pesticides to Two Species of Cladocerans. *Trans.Am.Fish.Soc.* 95: 165-169 (Author Communication Used) (Publ in Part As 6797).

EcoReference No.: 888

Chemical of Concern:

24DXY,As,AND,BNZ,CBL,CHD,CYT,DBN,DBN,DDT,DLDD,DU,DZ,EN,FNTH,HCCH,HPT,MLN,MVP,MXC,Naled,PAQT,PRN,PYN,RTN,TFN,TXP,PQT; Habitat: A; Effect Codes: PHY; Rejection Code: NO CONTROL(24DXY,CBL,DBN,DU,DZ,HCCH,MLN,Naled,CYT,PYN,TFN,RTN,As,PQT).

Santelmann, P. W. and Evetts, L. (1971). Germination and Herbicide Susceptibility of Six Pigweed Species. *Weed Sci.* 19: 51-54.

EcoReference No.: 41641

Chemical of Concern: LNR,DU,24DB,ATZ,DMB,PAQT,FMU,PMT,PQT; Habitat: T; Effect Codes: GRO,MOR; Rejection Code: NO ENDPOINT(24DB,ATZ,DMB,PAQT,FMV),NO ENDPOINT,NO CONTROL(LNR,DU,PMT,PQT).

Santos, R. X., Melo, S. C. O., Cascardo, J. C. M., Brendel, M., and Pungartnik, C. (2008). Carbon Source-Dependent Variation of Acquired Mutagen Resistance of *Moniliophthora perniciosa*: Similarities in Natural and Artificial Systems. *Fungal Genet.Biol.* 45: 851-860.

EcoReference No.: 107493

Chemical of Concern: HOX,PAQT; Habitat: T; Effect Codes: CEL,POP; Rejection Code: NO ENDPOINT(HOX,PAQT).

Sato, N., Fujii, K., Yuge, O., and Morio, M. (1992). Changes in Lipid Peroxidation Levels and Lipid Composition in the Lungs, Livers, Kidneys and Brains of Mice Treated with Paraquat. *J.Appl.Toxicol.* 12: 365-368.

EcoReference No.: 105498

Chemical of Concern: PQT; Habitat: T; Effect Codes: CEL,BCM; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Satomi, Y., Sakaguchi, K., Kasahara, Y., and Akahori, F. (2007). Novel and Extensive Aspects of Paraquat-Induced Pulmonary Fibrogenesis: Comparative and Time-Course Microarray Analyses in Fibrogenic and Non-Fibrogenic Rats. *J.Toxicol.Sci.* 32: 529-553.

EcoReference No.: 106944

Chemical of Concern: PQT; Habitat: T; Effect Codes: CEL,GRO,PHY; Rejection Code: NO ENDPOINT(PQT).

Satomi, Y., Tsuchiya, W., Mihara, K., Ota, M., Kasahara, Y., and Akahori, F. (2004). Gene Expression Analysis of the Lung Following Paraquat Administration in Rats Using DNA Microarray. *J.Toxicol.Sci.* 29: 91-100.

EcoReference No.: 104931

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

Satomi, Y., Tsuchiya, W., Miura, D., Kasahara, Y., and Akahori, F. (2006). DNA Microarray Analysis of Pulmonary Fibrosis Three Months After Exposure to Paraquat in Rats. *J.Toxicol.Sci.* 31: 345-355.

EcoReference No.: 104932

Chemical of Concern: PAQT; Habitat: T; Effect Codes: PHY,CEL,BEH; Rejection Code: NO ENDPOINT(PAQT).

Sawada, K., Tokuda, L., and Shinmyo, A. (2003). Characterization of the Rice Blast Fungal Elicitor - Responsive Gene OsSBP Encoding a Homolog to the Mammalian Selenium - Binding Proteins. *Plant Biotechnol.* 20 : 177-181.

EcoReference No.: 99022

Chemical of Concern: PAQT,ASA; Habitat: T; Effect Codes: CEL; Rejection Code: NO ENDPOINT,NO CONTROL(ASA,PAQT).

Schiffman, S. S., Suggs, M. S., Donia, M. B. A., Erickson, R. P., and Nagle, H. T. (1995). Environmental Pollutants Alter Taste Responses in the Gerbil. *Pharmacol.Biochem.Behav.* 52: 189-194.

EcoReference No.: 74836

Chemical of Concern: GYP,PAQT,FNV,DEM,CBF,ACP,CPY,CPYO,MLN,MTM,CBL; Habitat: T; Effect Codes: PHY; Rejection Code: NO ENDPOINT(GYP,PAQT,FNV,CBF,ACP,CPY,CPYO,MLN,MTM,CBL),NO COC(CaCl<sub>2</sub>,MgCl<sub>2</sub>,NaCl,KCl).



Schrader, K. K., Dayan, F. E., and Nanayakkara, N. P. D. (2005). Generation of Reactive Oxygen Species by a Novel Anthraquinone Derivative in the Cyanobacterium *Planktothrix perornata* (Skuja). *Pestic.Biochem.Physiol.* 81: 198-207.

EcoReference No.: 81279

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

Scragg, E. B., McKelvie, A. D., and Kilgour, D. W. (1972). Control of Bracken with Asulam in the North of Scotland. *Proc.Br.Weed Control Conf.* 11: 335-341.

EcoReference No.: 40994

Chemical of Concern: ASM,PAQT,MCPA,DMB,PQT; Habitat: T; Effect Codes: POP,GRO; Rejection Code: TARGET(DMB),OK(ASM,PAQT,MCPA),NO ENDPOINT,NO CONTROL(PQT).

Seiber, J. N., Winterlin, W. L., and McChesney, M. M. (1979). Residues of Toxaphene, DEF, and Paraquat in Plant Parts and Gin Waste from a Treated Cotton Field. *Arch.Environ.Contam.Toxicol.* 8: 125-137.

EcoReference No.: 107336

Chemical of Concern: TBF,PQT,TXP; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(PQT,TBF).

Selman, M., Montano, M., Montfort, I., and Perez-Tamayo, R. (1985). The Duration of the Pulmonary Paraquat Toxicity-Enhancement Effect of O<sub>2</sub> in the Rat. *Exp.Mol.Pathol.* 43: 388-396.

EcoReference No.: 106813

Chemical of Concern: PQT; Habitat: T; Effect Codes: BCM,CEL,MOR; Rejection Code: NO ENDPOINT(PQT).

Seong, K. H., Ogashiwa, T., Matsuo, T., Fuyama, Y., and Aigaki, T. (2001). Application of the Gene Search System to Screen for Longevity Genes in *Drosophila*. *Biogerontology* 2: 209-217.

EcoReference No.: 106620

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

Seto, N. O. L., Hayashi, S., and Tener, G. M. (1990). Overexpression of Cu-Zn Superoxide Dismutase in *Drosophila* does not Affect Life-Span. *Proc.Natl.Acad.Sci.U.S.A.* 87: 4270-4274.

EcoReference No.: 104933

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

Shad, R. A. and De Datta, S. K. (1986). Reduced Tillage Techniques for Wetland Rice as Affected by Herbicides. *Soil Tillage Res.* 6: 291-303.

EcoReference No.: 106345

Chemical of Concern: PAQT,GYP,BTC; Habitat: T; Effect Codes: GRO,POP; Rejection Code: NO CONTROL(PAQT,GYP).

Shafiei, T. M. and Costa, H. H. (1990). The Susceptibility and Resistance of Fry and Fingerlings of *Oreochromis mossambicus* Peters to Some Pesticides Commonly used in Sri Lanka. *J.Appl.Ichthyol.(Z.Angew.Ichthyol.)* 6: 73-80.

EcoReference No.: 9253

Chemical of Concern: DMT,HCCH,LNR,PAQT,PMR,ES,DCF,FNT,AND,PPN,ODZ,PIRM,DU,PQT; Habitat: A; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(ES),NO

CONTROL(DMT,HCCH,PAQT,FNT,AND,PPN,ODZ),NO ENDPOINT,NO  
CONTROL(PMR,LNR,DU,PIRM,DCF,PQT).

Shahar, E., Keidar, I., Hertzeg, E., and Barzilay, Z. (1989). Effectiveness of Vitamin E and Colchicine in Amelioration of Paraquat Lung Injuries Using an Experimental Model. *Isr.J.Med.Sci.* 25: 92-94.

EcoReference No.: 104783

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

Shanmugasundaram, R. and Kandasamy, O. S. (2005). Degradation and Persistence of Paraquat in Water Under Aquatic Weed Control. *Adv.Plant Sci.* 18: 841-844.

EcoReference No.: 107444

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

Shibamoto, T., Kobayashi, T., Kubo, K., and Nagata, T. (1987). Electron Microscopic Studies on Changes in the Alveoli of Paraquat-Administered Sheep, with Special Reference to the Relationship Between Lung Lymph Dynamics and Ultrastructure. *J.Clin.Electron Microsc.* 20: 87-101.

EcoReference No.: 106339

Chemical of Concern: PQT; Habitat: T; Effect Codes: CEL,BCM,PHY; Rejection Code: NO  
ENDPOINT(PQT).

Shibata, K., Ikeda, M., and Iwai, K. (1991). No Influence of an Injection of Paraquat and Exposure to Hyperoxia on Liver Quinolate Phosphoribosyltransferase Activity in Rats. *Agric.Biol.Chem.* 55: 2405-2406.

EcoReference No.: 106619

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT,NO  
CONTROL(PQT).

Shimizu, K., Ohtaki, K., Matsubara, K., Aoyama, K., Uezono, T., Saito, O., Suno, M., Ogawa, K., Hayase, N., Kimura, K., and Shiono, H. (2001). Carrier-Mediated Processes in Blood-Brain Barrier Penetration and Neural Uptake of Paraquat. *Brain Res.* 906: 135-142.

EcoReference No.: 106948

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

Shirai, M., Fujise, H., Masaoka, T., Takeda, S., Tsuboi, T., and Akahori, F. (1993). Histometric Changes in Connective Fibers of the Lung Following Paraquat Administration in Rats. *J.Toxicol.Sci.* 18: 167-170.

EcoReference No.: 107560

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

Simon, L. M., Boross, L., and Nemcsok, J. (1984). Effects of Herbicides on the Cytochrome P-450 Content of Liver Microsomes in Carp (*Cyprinus carpio* L.). *Acta Biol.Szeged.* 30: 11-17.

EcoReference No.: 8100

Chemical of Concern: MDT,PQT,CuS; Habitat: A; Effect Codes: BCM; Rejection Code: NO  
ENDPOINT(MDT,PQT,CuS).

Simon, L. M., Nemcsok, J., and Boross, L. (1983). Studies on the Effect of Paraquat on Glycogen Mobilization in Liver of Common Carp (*Cyprinus carpio* L.). *Comp.Biochem.Physiol.C* 75: 167-169.

EcoReference No.: 10976

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

Singh, H. P. (1992). Effect of Dalapon 2,4-D and Paraquat on Nitrogen, Phosphorus and Potassium Content of Aquatic Weeds in Different Seasons. *Proc.Natl.Acad.Sci.India Sect.B* 62: 233-239.

EcoReference No.: 104845

Chemical of Concern: 24DXY,PAQT; Habitat: A; Effect Codes: GRO,BCM; Rejection Code: NO ENDPOINT(24DXY,PAQT).

Singh, M., Bullock, R. C., and Eger, J. E. (1986). Compatibility of Chlorpyrifos (Lorsban 4E) with Several Herbicides as Tank-Mix. *Proc.Fla.State Hortic.Soc.* 99: 48-51.

EcoReference No.: 101399

Chemical of Concern: CPY,PAQT,GYPI,OYZ,NFZ,SZ,AMTR,DU,BMC; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(CPY),TARGET(NFZ,OYZ,GYPI,SZ),NO ENDPOINT(PAQT),NO MIXTURE(DU,BMC).

Singh, S. P. and Yadav, N. K. (1978). Toxicity of Some Herbicides to Major Carp Fingerlings. *Indian J.Ecol.* 5: 141-147.

EcoReference No.: 5636

Chemical of Concern: 24DXY,DU,GYP,SZ,PAQT,CuS,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(SZ,CuS),NO ENDPOINT,NO CONTROL(24DXY,DU,PQT),NO CONTROL(GYP).

Sinhaseni, P. and Tesprateep, T. (1987). Histopathological Effects of Paraquat and Gill Function of Puntius gonionotus, Bleeker. *Bull.EnvIRON.Contam.Toxicol.* 38: 308-312.

EcoReference No.: 12377

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

Slade, P. and Bell, E. G. (1966). The Movement of Paraquat in Plants. *Weed Res.* 6: 267-274.

EcoReference No.: 42566

Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Smalley, H. E. (1973). Toxicity and Hazard of the Herbicide, Paraquat, in Turkeys. *Poult.Sci.* 52: 1625-1628.

EcoReference No.: 38809

Chemical of Concern: PQT; Habitat: T; Effect Codes: PHY,MOR,GRO,CEL; Rejection Code: NO CONTROL(PQT).

Smith, L. L., Rose, M. S., and Wyatt, I. (1977). The Relevance of Free Radical Formation in the Rat Lung to the Mechanism of Paraquat Toxicity. *Proc.Eur.Soc.Toxicol.* 18: 206-208.

EcoReference No.: 106131

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

Smith, L. L., Wright, A., Wyatt, I., and Rose, M. S. (1974). Effective Treatment for Paraquat Poisoning in Rats and Its Relevance to Treatment of Paraquat Poisoning in Man. *Br.Med.J.* 4: 569-571.

EcoReference No.: 106947

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

Smith, L. W. and Davies, P. J. (1965). The Translocation and Distribution of Three Labelled Herbicides in Paspalum Distichum l. *Weed Res.* 5: 343-347.

EcoReference No.: 42341  
Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Smith, L. W. and Foy, C. L. (1966). Interactions of Several Paraquat-Surfactant Mixtures. *Weeds* 15: 67-72.

EcoReference No.: 107445  
Chemical of Concern: PAQT; Habitat: T; Effect Codes: GRO,PHY; Rejection Code: NO  
ENDPOINT(PAQT).

Smith, S. N., Lyon, A. J. E., and Sahid, I. B. (1976). The Breakdown of Paraquat and Diquat by Soil Fungi. *New Phytol.* 77: 735-740.

EcoReference No.: 106097  
Chemical of Concern: PQT; Habitat: T; Effect Codes: GRO,ACC,PHY; Rejection Code: NO  
ENDPOINT(PQT).

Sneva, F. A. (1970). Paraquat: Effects of Growing Season Applications. *J.Range Manag.* 23: 451-452.

EcoReference No.: 43710  
Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Squires, V. R. (1963). Herbicides for the Selective Control of Barley Grass in Irrigated Clover Pastures. *Aust.J.Exp.Agric.* 3: 35-38.

EcoReference No.: 41060  
Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Srikrishna, V., Riviere, J. E., and Monteiro-Riviere, N. A. (1992). Cutaneous Toxicity and Absorption of Paraquat in Porcine Skin. *Toxicol.Appl.Pharmacol.* 115: 89-97.

EcoReference No.: 106739  
Chemical of Concern: PAQT; Habitat: T; Effect Codes: ACC,BCM,CEL; Rejection Code: NO  
ENDPOINT,NO CONTROL(PAQT).

Srivastave, A. and Tel-Or, E. (1991). Effect of Some Environmental Pollutants on the Superoxide Dismutase Activity in Lemna. *Free Radic.Res.Comm.* 12/13: 601-607.

EcoReference No.: 107492  
Chemical of Concern: SO<sub>2</sub>,Cd,HOX,PAQT; Habitat: A; Effect Codes: BCM; Rejection Code: NO  
ENDPOINT(SO<sub>2</sub>,HOX,PAQT).

Stevens, M. A. and Walley, J. K. (1966). Tissue and Milk Residues Arising from the Ingestion of Single Doses of Diquat and Paraquat by Cattle. *J.Sci.Food Agric.* 17: 472-475.

EcoReference No.: 107323  
Chemical of Concern: DQTB<sub>r</sub>,PQT; Habitat: T; Effect Codes: ACC,PHY; Rejection Code: NO  
ENDPOINT,NO CONTROL(DQTB<sub>r</sub>,PQT).

Stinner, B. R., Krueger, H. R., and McCartney, D. A. (1986). Insecticide and Tillage Effects on Pest and Non-Pest

Arthropods in Corn Agroecosystems. *Agric.Ecosyst.Environ.* 15: 11-21.

EcoReference No.: 108172

Chemical of Concern: CAB,TBO; Habitat: T; Rejection Code: NO COC(PQT,ACR).

Stojanovic, B. J., Kennedy, M. V., and Shuman, F. L. Jr. (1972). Edaphic Aspects of the Disposal of Unused Pesticides, Pesticide Wastes, and Pesticide Containers. *J.Environ.Qual.* 1: 54-62.

EcoReference No.: 90589

Chemical of Concern: ATZ,BMC,CBL,24DXY,DDT,DMB,DLD,DU,MLN,PAQT,PCL,TFN,VNT,Zineb;  
Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

Stroev, V. S. (1970). The Cytogenetic Activity of the Herbicides Atrazine, Chloro-IPC, and Paraquat. *Genetika* 6: 293-297.

EcoReference No.: 41681

Chemical of Concern: ATZ,PAQT,PQT; Habitat: T; Effect Codes: CEL; Rejection Code: NO  
ENDPOINT,NO CONTROL(ATZ,PAQT,PQT).

Subagja, J. and Snider, R. J. (1981). The Side Effects of Herbicides Atrazine and Paraquat upon *Folsomia candida* and *Tullbergia granulata* (Insecta, Collembola). *Pedobiologia* 22: 141-152.

EcoReference No.: 54587

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

Sun, F. (1987). Evaluating Acute Toxicity of Pesticides to Aquatic Organisms: Carp, Mosquito Fish and Daphnids. *Plant Prot.Bull.(Chih Wu Pao Hu Hsueh Hui Hui K'an)* 29: 385-396 (CHI) (ENG ABS).

EcoReference No.: 13451

Chemical of Concern:

BT,CBF,EP,GYP,PSM,TBC,CYP,DM,FPP,FVL,PMR,TMT,24DXY,ATN,FNF,PAQT,MZB,Maneb,BTC,  
TBC,FNV,Zn,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: NO  
FOREIGN(BT,PSM,TBC,CYP,DM,FPP,FVL,PMR,TMT,24DXY,ATN,FNF,PAQT,MZB,Maneb,BTC,TB  
C,FNV,Zn),NO CONTROL(PSM,EP,CBF,GYP,PQT).

Sun, L. T. and Gorman, M. L. (1973). The Toxicity to Fish of Herbicides Recommended for Weed Control in the Rewa. *Fiji Agric.J.* 35: 31-33.

EcoReference No.: 8996

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

Sykes, B. I., Purchase, I. F. H., and Smith, L. L. (1977). Pulmonary Ultrastructure After Oral and Intravenous Dosage of Paraquat to Rats. *J.Pathol.* 121: 233-241.

EcoReference No.: 35487

Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT(PQT).

Szabo, A., Nemcsok, J., Asztalos, B., Rakonczay, Z., Kasa, P., and Hieu, L. H. (1992). The Effect of Pesticides on Carp (*Cyprinus carpio* L.) Acetylcholinesterase and Its Biochemical Characterization. *Ecotoxicol.Environ.Saf.* 23: 39-45.

EcoReference No.: 3906

Chemical of Concern: CuS,MDT,FNT,PQT; Habitat: A; Effect Codes: BCM; Rejection Code: NO  
ENDPOINT(CuS,FNT,PQT).

Szabo, L., Barabas, K., Matkovics, B., and Berencsi, G. (1980). Time-Dependence of Paraquat Poisoning. *Gen.Pharmacol.* 11: 573-574.

EcoReference No.: 107578

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

Szabo, L., Matkovics, B., Barabas, K., and Oroszlan, G. (1986). Effects of Various Thiols on Paraquat Toxicity. *Comp.Biochem.Physiol.C* 83: 149-153.

EcoReference No.: 104934

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

Takeuchi, S., Matsuda, T., Kobayashi, S., Takahashi, T., and Kojima, H. (2006). In Vitro Screening of 200 Pesticides for Agonistic Activity via Mouse Peroxisome Proliferator-Activated Receptor (PPAR)alpha and PPARGamma and Quantitative Analysis of In Vivo Induction Pathway. *Toxicol.Appl.Pharmacol.* 217: 235-244.

EcoReference No.: 89206

Chemical of Concern:

AND,HCCH,Captan,CHD,CTN,DDT,DBN,DCF,DLD,ES,EN,Folpet,HPT,MXC,PCP,ACF,ACFM,DFPM, FZFB,OXF,ACP,ANL,CPY,CPYM,DZ,DDVP,DMT,DS,ETN,FMP,FNT,FNTH,GYP,IFP,MLN,MTM,M DT,MP,PRN,PRT,PHSL,PSM,PIRM,PFF,TBO,TVP,TCM,TCF,CYF,CYH,CYP,DM,EFX,FNV,FYT,FVL ,PMR,PYN,TFT,TLM,BDC,BMY,CBL,CBD,CBF,CPP,MCB,MOM,MLT,OML,PHMD,PIM,TBC,THM, ACR,ASM,FTL,MLX,MTL,PZM,ANZ,ATZ,MBZ,PRO,PMT,SZ,BSF,DFZ,DU,LNR,PPN,AMZ,BPH,BT N,DZM,EXQ,FRM,ILL,IMC,IPD,MCPA,24DXY,PAQT,PDM,PCZ,SXD,TBAH,TPM,TDF,TFZ,TFN,TF R,TVMP, VCZ,FTL,FNZ; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: OK(ILL,PYN,DFPM),NO IN VITRO(ALL OTHER CHEMS).

Tamborini, P., Sigg, H., and Zbinden, G. (1990). Acute Toxicity Testing in the Nonlethal Dose Range: A New Approach. *Regul.Toxicol.Pharmacol.* 12: 69-87.

EcoReference No.: 105493

Chemical of Concern: PAQT,CdCl,AN,AsTO; Habitat: T; Effect Codes: PHY,BEH,CEL,MOR; Rejection Code: NO ENDPOINT(PAQT,CdCl,AN,AsTO).

Tan, T. K. and Chua, L. H. (1986). The Response of Four Soil Fungi to Paraquat Treatment. *Cryptogam.Mycol.* 7: 311-317.

EcoReference No.: 104846

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

Tanaka, R., Fujisawa, S., Kawamura, K., and Harada, M. (1983). Paraquat-Induced Enhancement of Vascular Permeability. *J.Toxicol.Sci.* 8: 147-159.

EcoReference No.: 107559

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

Taylor, M. C. and Burrows, E. M. (1968). Chemical Control of Fertile *Spartina Townsendii* (S.L.) on the Cheshire Shore of the Dee Estuary. *Weed Res.* 8: 170-184.

EcoReference No.: 43888

Chemical of Concern: PQT; Habitat: T; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

Thomas, D. J., Avenson, T. J., Thomas, J. B., and Herbert, S. K. (1998). A Cyanobacterium Lacking Iron Superoxide Dismutase is Sensitized to Oxidative Stress Induced with Methyl Viologen but is not Sensitized to Oxidative Stress Induced with Norflurazon. *Plant Physiol.* 116: 1593-1602.

EcoReference No.: 101500

Chemical of Concern: NFZ,PAQT; Habitat: A; Effect Codes: GRO,BCM; Rejection Code: NO ENDPOINT(NFZ,PAQT).

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,24DXY,LNR,EPTC,DU,PQT; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT(SZ),NO ENDPOINT,NO CONTROL(EPTC,LNR,24DXY,DU,ATZ,PQT).

Thompson, C. R., Kats, G., Dawson, P., and Doyle, D. (1981). Development of a Protocol for Testing Effects of Toxic Substances on Plants. *EPA-600/3-81-006, U.S.EPA, Corvallis, OR* 37 p. (NTIS/PB81-157901) .

EcoReference No.: 72129

Chemical of Concern: EDT,DZ,ACP,PAQT,SFL,NaClO; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT(ALL CHEMS).

Tirosh, O., Pardo, M., Schwartz, B., and Miskin, R. (2005). Long-Lived AlphaMUPA Transgenic Mice Show Reduced SOD2 Expression, Enhanced Apoptosis and Reduced Susceptibility to the Carcinogen Dimethylhydrazine. *Mech.Ageing Dev.* 126: 1262-1273.

EcoReference No.: 105499

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

Tomkins, D. J. and Grant, W. F. (1974). Differential Response of 14 Weed Species to Seven Herbicides in Two Plant Communities. *Can.J.Bot.* 52: 525-533.

EcoReference No.: 25987

Chemical of Concern: 24DXY,PCL,PAQT,SZ,DU; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

Tooby, T. E., Lucey, J., and Stott, B. (1980). The Tolerance of Grass Carp, *Ctenopharyngodon idella* Val., to Aquatic Herbicides . *J.Fish Biol.* 16: 591-597.

EcoReference No.: 575

Chemical of Concern: 24DXY,DU,GYP,PQT,DBN; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(GYP,24DXY,DU,PQT).

Torres, C., Ribas, G., Xamena, N., Creus, A., and Marcos, R. (1992). Genotoxicity of Four Herbicides in the Drosophila Wing Spot Test. *Mutat.Res.* 280: 291-295.

EcoReference No.: 104853

Chemical of Concern: ACR,ATZ,MLH,PAQT; Habitat: T; Effect Codes: CEL; Rejection Code: NO ENDPOINT(ALL CHEMS).

Tsay, S. F., Lee, J. M., and Lynd, J. Q. (1970). The Interaction of Cu<sup>++</sup> and Cn<sup>-</sup> with Paraquat Phytotoxicity to Chlorella. *Weed Sci.* 18: 596-598.

EcoReference No.: 9708

Chemical of Concern: Cu,PQT; Habitat: A; Rejection Code: NO ENDPOINT(PQT).

Tsuchiya, T., Nagai, K., Yoshida, T., Kiho, T., and Ukai, S. (1989). Effectiveness of Sodium Sugar Sulfates on Acute Toxicity of Paraquat in Mice. *J.Pharmacobio-Dyn.* 12: 456-460.

EcoReference No.: 107557

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

Tsuji, N., Hirayanagi, N., Okada, M., Miyasaka, H., Hirata, K., Zenk, M. H., and Miyamoto, K. (2002). Enhancement of Tolerance to Heavy Metals and Oxidative Stress in *Dunaliella tertiolecta* by Zn-Induced Phytochelatin Synthesis. *Biochem.Biophys.Res.Comm.* 293: 653-659.

EcoReference No.: 106946

Chemical of Concern: HOX,PAQT,ZnCl<sub>2</sub>,CdCl<sub>2</sub>,HgCl<sub>2</sub>,CuCl<sub>2</sub>,PbCl<sub>2</sub>; Habitat: A; Effect Codes: POP,PHY,BCM; Rejection Code: NO ENDPOINT(HOX),NO ENDPOINT,NO CONTROL(PAQT,CuCl<sub>2</sub>),NO EFFECT(ZnCl<sub>2</sub>).

Tu, C. M. and Bollen, W. B. (1968). Effect of Paraquat on Microbial Activities in Soils. *Weed Res.* 8: 28-37.

EcoReference No.: 54970

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

Turcsanyi, E., Suranyi, G., Lehocski, E., and Borbely, G. (1994). Superoxide Dismutase Activity in Response to Paraquat Resistance in *Conyza canadensis* (L.) Cronq. *J.Plant Physiol.* 144: 599-606.

EcoReference No.: 44269

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

Ukai, S., Nagai, K., Kiho, T., Tsuchiya, T., and Nochida, Y. (1987). Effectiveness of Dextran Sulfate on Acute Toxicity of Paraquat in Mice and Rats. *J.Pharmacobio-Dyn.* 10: 682-684.

EcoReference No.: 107558

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

Uygun, N., Sengonca, C., Ulusoy, M. R., and Kersting, U. (1994). Toxicity of Some Pesticides to *Eretmocerus debachi* (Hymenoptera: Aphelinidae), an Important Parasitoid of *Parabemisia myricae* (Homoptera: Aleyrodidae). *Bull.Entomol.Res.* 84: 119-122.

EcoReference No.: 67978

Chemical of Concern: Captan,FZFB,PAQT,CPYM,MLN,MDT; Habitat: T; Effect Codes: MOR,REP; Rejection Code: NO ENDPOINT(ALL CHEMS).

Vadnay, I. (1993). Hepatic Alterations in Experimental Paraquat Intoxication. *Exp.Toxicol.Pathol.* 45: 355-364.

EcoReference No.: 104847

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

Vaishampayan, A. (1984). Powerful Mutagenicity of a Bipyridylum Herbicide in a Nitrogen-Fixing Blue-Green Alga *Nostoc muscorum*. *Mutat.Res.* 138: 39-46.

EcoReference No.: 107286

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

Van der Schalie, W. H., Shedd, T. R., Widder, M. W., and Brennan, L. M. (2004). Response Characteristics of an



Aquatic Biomonitor Used for Rapid Toxicity Detection. *J.Appl.Toxicol.* 24: 387-394.

EcoReference No.: 77525

Chemical of Concern: MTAS,HgCl,PAQT,As,MLN,PCP,ZnS,CN,PL; Habitat: A; Effect Codes: MOR,BEH,PHY; Rejection Code: LITE EVAL CODED(PCP,MLN,HgCl,CN,ZnS,PL,As),NO ENDPOINT(MTAS,PAQT).

Van Remmen, H., Qi, W., Sabia, M., Freeman, G., Estlack, L., Yang, H., Guo, Z. M., Huang, T. T., Strong, R., Lee, S., Epstein, C. J., and Richardson, A. (2004). Multiple Deficiencies in Antioxidant Enzymes in Mice Result in a Compound Increase in Sensitivity to Oxidative Stress. *Free Radic.Biol.Med.* 36: 1625-1634.

EcoReference No.: 106680

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

Van Rensburg, J. B. J. and Van den Berg, J. (1992). Timing of Insecticide Application for Stem Borer Control in Maize and Grain Sorghum. *Appl.Plant Sci.* 6: 24-27.

EcoReference No.: 104615

Chemical of Concern: DM; Habitat: T; Effect Codes: PHY,POP; Rejection Code: NO COC(PAQT),NO MIXTURE(DM).

Varanka, I. (1977). The Effect of Some Pesticides on the Rhythmic Activity of Adductor Muscle of Fresh-Water Mussel Larvae. *Acta Biol.Acad.Sci.Hung.* 28: 317-332.

EcoReference No.: 6065

Chemical of Concern: HCCH,PQT,PRT; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(PRT),NO CONTROL(PQT).

Varanka, I. (1979). Effect of Some Pesticides on the Rhythmic Adductor Muscle Activity of Fresh-Water Mussel Larvae. *Symp.Biol.Hung.* 19: 177-196.

EcoReference No.: 7285

Chemical of Concern: 24DXY,DMT,HCCH,MLN,PQT,PRT,DPDP; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(DMT,PRT),NO CONTROL(24DXY,DPDP,MLN,PQT).

Vig, E. and Nemcsok, J. (1989). The Effects of Hypoxia and Paraquat on the Superoxide Dismutase Activity in Different Organs of Carp, *Cyprinus carpio* L. *J.Fish Biol.* 35: 23-25.

EcoReference No.: 3285

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

Vig, E., Orban, L., Nemcsok, J., and Asztalos, B. (1987). Some Pathophysiological Data of Carp Following Exposure to Selected Fungicides and Herbicides (Einige Pathophysiologische Daten beim Karpfen nach der Einwirkung von Ausgewählten Fungiziden und Herbiziden). *Arch.Exp.Vet.Med.* 41: 491-505 (GER) (ENG ABS).

EcoReference No.: 12691

Chemical of Concern: MDT,PQT,CuS; Habitat: A; Effect Codes: BCM; Rejection Code: NO COC(CBL),NO ENDPOINT,NO CONTROL(PQT).

Vijeyaratnam, G. S. and Corrin, B. (1971). Experimental Paraquat Poisoning: A Histological and Electron-Optical Study of the Changes in the Lung. *J.Pathol.* 103: 123-129.

EcoReference No.: 107282

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

Vontas, J. G., Tsakas, S. C., Loukas, M., and Hemingway, J. (2001). Low-Activity Allele of Copper-Zinc Superoxide Dismutase (CuZnSOD) in *Drosophila* Increases Paraquat Genotoxicity but does not Affect Near UV Radiation Damage. *Genome* 44: 597-601 .

EcoReference No.: 82700

Chemical of Concern: PAQT; Habitat: T; Effect Codes: MOR; Rejection Code: NO COC(ZN),NO ENDPOINT(PAQT).

Waddell, W. J. and Marlowe, C. (1980). Tissue and Cellular Disposition of Paraquat in Mice. *Toxicol.Appl.Pharmacol.* 56: 127-140.

EcoReference No.: 106741

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

Walker, P. A., Kille, P., Hurley, A., Bury, N. R., and Hogstrand, C. (2008). An In Vitro Method to Assess Toxicity of Waterborne Metals to Fish. *Toxicol.Appl.Pharmacol.* 230: 67-77.

EcoReference No.: 105413

Chemical of Concern: CuS,ZnS,AgN,PAQT,IRG,ATZ,PCP,CdS; Habitat: A; Effect Codes: BCM; Rejection Code: LITE EVAL CODED(AgN,ZnS),NO IN VITRO(PAQT,ATZ,PCP,CuS).

Walsh, G. E. (1972). Effects of Herbicides on Photosynthesis and Growth of Marine Unicellular Algae. *Hyacinth Control J.* 10: 45-48 (Author Communication Used).

EcoReference No.: 9211

Chemical of Concern: EDT,SZ,24DXY,ATZ,DBN,DU,TFN,AMTR,PRO,PAQT; Habitat: A; Effect Codes: PHY,POP; Rejection Code: LITE EVAL CODED(PRO,ATZ,SZ),NO ENDPOINT,NO CONTROL(24DXY,DU,PAQT).

Wang, W. (1994). Rice Seed Toxicity Tests for Organic and Inorganic Substances. *Environ.Monit.Assess.* 29: 101-107.

EcoReference No.: 45060

Chemical of Concern: Ag,Cd,Cr,Cu,Mn,F,Ni,Pb,Zn,24DXY,BMC,GYP,CuCl,PAQT,SFL,ZnCl2,PQT; Habitat: AT; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(SFL,CuCl,ZnCl2,Ag),NO ENDPOINT(GYP,24DXY,BMC,PQT).

Wangberg, S. A. and Blanck, H. (1988). Multivariate Patterns of Algal Sensitivity to Chemicals in Relation to Phylogeny. *Ecotoxicol.Environ.Saf.* 16: 72-82.

EcoReference No.: 18824

Chemical of Concern: CuS,DU,GYP,HgCl,PAQT,K2Cr207,NFZ,NaLS,TBTCl; Habitat: A; Effect Codes: POP; Rejection Code: NO CONTROL(ALL CHEMS).

Watkin, E. M. and Sagar, G. R. (1972). Effect of Paraquat on Seed Germination. *Weed Res.* 12: 195-198.

EcoReference No.: 43289

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

Watson, M. C., Bartels, P. G., and Hamilton, K. C. (1980). Action of Selected Herbicides and Tween 20 on Oat (*Avena sativa*) Membranes. *Weed Sci.* 28: 122-127.

EcoReference No.: 43329

Chemical of Concern: GYP,OYZ,ACR,DMB,TFN,PCL,PQT; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT,NO CONTROL(GYP,OYZ,ACR,PQT),TARGET(DMB),OK(TFN,PCL).

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EcoReference No.: 4728

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

Welker, W. V. and Smith, C. R. (1972). Effect of Repeated Annual Applications of Herbicides in Red Raspberry Plantings. *Weed Sci.* 20: 432-433.

EcoReference No.: 41643

Chemical of Concern: SZ,DBN,PAQT,PQT; Habitat: T; Effect Codes: POP,PHY,GRO; Rejection Code: TARGET(SZ),NO ENDPOINT,NO CONTROL(PQT).

Welker, W. V. Jr. and Riemer, D. N. (1973). Control of Fragrant Waterlily and Spatterdock in Irrigation Ditches with Glyphosate. *Proc.Northeast.Weed Sci.Soc.* 27: 105-107 .

EcoReference No.: 14694

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

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EcoReference No.: 2648

Chemical of Concern: PQT; Habitat: A; Rejection Code: NO ENDPOINT,NO CONTROL(PQT).

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EcoReference No.: 81132

Chemical of Concern: CQTC,PAQT; Habitat: T; Effect Codes: PHY; Rejection Code: NO ENDPOINT(ALL CHEMS).

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EcoReference No.: 41530

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

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EcoReference No.: 73779

Chemical of Concern: MTL,ATZ,CMZ,DMB,GYP,PAQT; Habitat: T; Effect Codes: POP,GRO; Rejection Code: NO ENDPOINT,CONTROL(ALL CHEMS).

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EcoReference No.: 105049

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

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EcoReference No.: 41739

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

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EcoReference No.: 104935

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

Woodiwiss, F. S. and Fretwell, G. (1974). The Toxicities of Sewage Effluents, Industrial Discharges and Some Chemical Substances to Brown Trout (*Salmo trutta*) in the Trent River Authority Area. *Water Pollut.Control* 73: 396-405.

EcoReference No.: 448

Chemical of Concern: HCCH,PQT,ACL,BNZ,MLH; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(HCCH,PQT,ACL,BNZ,MLH).

Woolley, D. E., Gietzen, D. W., Gee, S. J., Magdalou, J., and Hammock, B. D. (1989). Does Paraquat (PQ) Mimic MPP+ Toxicity? *Proc.West Pharmacol.Soc.* 32: 191-193.

EcoReference No.: 105455

Chemical of Concern: PAQT; Habitat: T; Effect Codes: BCM,BEH; Rejection Code: NO ENDPOINT(PAQT).

Wright, J. P. (1994). Use of Membrane Potential Measurements to Study Mode of Action of Diclofop-Methyl. *Weed Sci.* 42: 285-292.

EcoReference No.: 74051

Chemical of Concern: MTL,HFP,HFPM,BT,DMP,DFPM,ACR,PAQT,CSF; Habitat: T; Effect Codes: CEL; Rejection Code: NO ENDPOINT,CONTROL,TARGET(MTL,ACR,PAQT).

Yamada, M. and Wakasugi, C. (1985). Studies on Paraquat Poisoning. *Acta Med.Leg.Soc.(Liege)* 35: 223-226.

EcoReference No.: 106765

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

Yanase, S., Yasuda, K., and Ishii, N. (2002). Adaptive Responses to Oxidative Damage in Three Mutants of *Caenorhabditis elegans* (age-1, mev-1 and daf-16) that Affect Life Span. *Mech.Ageing Dev.* 123: 1579-1587.

EcoReference No.: 105500

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

Yang, M. C., McLean, A. J., and Le Couteur, D. G. (2002). Age-Related Alteration in Hepatic Disposition of the Neurotoxin 1-Methyl-4-Phenyl-1,2,3,6-Tetrahydropyridine and Pesticides. *Pharmacol.Toxicol.* 90: 203-207.

EcoReference No.: 104912

Chemical of Concern: PQT,MLN,DDT; Habitat: T; Effect Codes: ACC,BCM; Rejection Code: NO CONTROL(PQT,MLN).

Yang, M. C., McLean, A. J., Rivory, L. P., and Le Couteur, D. G. (2000). Hepatic Disposition of Neurotoxins and Pesticides. *Pharmacol.Toxicol.* 87: 286-291.

EcoReference No.: 105472

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

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EcoReference No.: 104768

Chemical of Concern: PAQT; Habitat: AT; Effect Codes: PHY; Rejection Code: NO COC(HOX),NO ENDPOINT,NO CONTROL(PAQT).

Yeo, R. R. (1967). Dissipation of Diquat and Paraquat, and Effects on Aquatic Weeds and Fish. *Weeds* 15: 42-46.

EcoReference No.: 4694

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

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EcoReference No.: 107810

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

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EcoReference No.: 105057

Chemical of Concern: ASA,PAQT,HOX; Habitat: A; Effect Codes: POP,BCM; Rejection Code: LITE EVAL CODED(ASA),NO ENDPOINT(PAQT,HOX).

Young, F. L., Gealy, D. R., and Morrow, L. A. (1984). Effect of Herbicides on Germination and Growth of Four Grass Weeds. *Weed Sci.* 32: 489-493.

EcoReference No.: 44133

Chemical of Concern: GYP,DMM,MBZ,PZM,PQT; Habitat: T; Effect Codes: REP,GRO; Rejection Code: NO ENDPOINT,NO CONTROL(GYP,PZM,PQT).

Zavala, D. C. and Rhodes, M. L. (1978). An Effect of Paraquat on the Lungs of Rabbits. Its Implications in Smoking Contaminated Marihuana. *Chest* 74: 418-420.

EcoReference No.: 107556

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

Zelenkova, J. and Hurka, K. (1990). Carabids (Col., Carabidae) in the Epigeon of Pest Management Apple Orchards in South Bohemia. *Acta Soc.Zool.Bohem.* 54: 133-145 .

EcoReference No.: 77627

Chemical of Concern: TDF,FRM,GYP,DQTBBr,PAQT,SZ,ATZ,PHSL; Habitat: T; Effect Codes: POP;

Rejection Code: NO ENDPOINT(ALL CHEMS).

Zhang, W. D., Nagao, M., Takatori, T., Iwadate, K., Itakura, Y., Yamada, Y., Iwase, H., and Oono, T. (1995). Immunohistochemical Dynamics of Leukotoxin (9,10-Epoxy-12-Octadecenoic Acid) in Lungs of Rats. *Int.J.Legal Med.* 107: 174-178.

EcoReference No.: 104849

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

Zidau, Z. H., Sobeiha, A. K., Zidan, A. A., Abou-El-Hassan, A. A., and Ragab, F. M. (1990). Effect of Pre-Exposure to Certain Molluscicides on the Performance of Some Herbicides Against Schistosomiasis Snail Vectors. *Egypt.J.Bilharziasis* 12: 145-155.

EcoReference No.: 102308

Chemical of Concern: CuS,NSM,24D,DU,PQT; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(CuS,NSM,24D,DU,PQT).

Zsombok, A., Molnar, L., and Fischer, E. (1997). Neurotoxicity of Paraquat and Triphenyltin in the Earthworm, *Eisenia fetida* Sav. A Histo- and Cytopathological Study. *Acta Biol.Hung.* 48: 485-495.

EcoReference No.: 64153

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