



**Appendix F:  
Ecotox Studies - Risks of  
Metolachlor Use to Federally Listed  
Endangered Barton Springs  
Salamander**

**May 2007**

## APPENDIX F – ECOTOX STUDIES

### 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)

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.

METOLACHLOR

Papers that Were Accepted for ECOTOX  
ECOTOX Search October 2004

**Accepted for ECOTOX and OPP**

Akinyemiju, O. A. and Echendu, T. N. C. (1987). Influence of Different Tillage Methods and Pre-emergence Herbicides on Weed Control in Cowpea (*Vigna unguiculata* (L.) Walp.). *Crop Prot.* 6: 289-294.

EcoReference No.: 73268  
User Define 2: WASH  
Chemical of Concern: MTL,ACR  
Endpoint: POP,MOR,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Al-Khatib, K., Libbey, C., and Kadir, S. (1995). Broadleaf Weed Control and Cabbage Seed Yield Following Herbicide Application. *Hortscience* 30: 1211-1214.

EcoReference No.: 73418  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,TFN,PDM,OXF  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Aliyu, L. and Lagoke, S. T. O. (1995). Evaluation of Herbicides for Weed Control in *Solanum aethiopicum* L. (Scarlet Eggplant) at Samaru, Nigeria. *Crop Prot.* 14: 479-481.

EcoReference No.: 73936  
User Define 2: WASH  
Chemical of Concern: MTL,MBZ,LNR,PDM  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Beauvais, S. L., Atchison, G. J., Stenback, J. Z., and Crumpton, W. G. (1999). Use of Cholinesterase Activity to Monitor Exposure of *Chironomus riparius* (Diptera: Chironomidae) to a Pesticide Mixture in Hypoxic Wetland Mesocosms. *Hydrobiologia* 416: 163-170.

EcoReference No.: 62050  
User Define 2: WASH,CALF,SENT  
Chemical of Concern: ATZ,CPY,MTL  
Endpoint: BCM; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Bellinder, R. R. and Warholic, D. T. (1988). Evaluation of Acetanilide Injury and Its Potential for Yield Reduction in Cabbage, *Brassica oleracea* L. *Weed Technol.* 2: 350-354.

EcoReference No.: 73742  
User Define 2: WASH  
Chemical of Concern: MTL,ACR,TFN,PCH  
Endpoint: POP,GRO,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Bellinder, R. R., Wilcox-Lee, D., Senesac, A., and Warholic, D. T. (1989). Response of Early-Maturing Cabbage *Brassica oleracea* var *capitata* to Metolachlor. *Weed Technol.* 3: 463-466.

EcoReference No.: 73790  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Berzsenyi, Z. and Györfy, B. (1989). Comparative Study of the Phytotoxicity of Acetanilide Herbicides on Maize

(*Zea mays* L.) as Affected by Temperature and Antidotes. *Acta Agron.Hung.* 38: 371-384.

EcoReference No.: 73974

User Define 2: WASH

Chemical of Concern: MTL,PCH,ACR,ACO

Endpoint: PHY,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Berzsenyi, Z., Gyorffy, B., Arendas, T., Bonis, P., and Lap, D. Q. (1997). Studies on the Phytotoxicity of Herbicides in Maize (*Zea mays* L.) as Affected by Temperature and Antidotes. *Acta Agron.Hung.* 45: 443-448.

EcoReference No.: 73275

User Define 2: WASH

Chemical of Concern: MTL,ACR

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Beste, C. E. and Frank, J. R. (1990). Influence of Metolachlor on *Ilex crenata* Thunb. for Control of Yellow Nutsedge. *J.EnvIRON.Hortic.* 8: 58-60.

EcoReference No.: 73230

User Define 2: WASHT

Chemical of Concern: MTL

Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Bochare, P. A., Shelke, D. K., Bhosle, R. H., Jadhav, N. S., and Salunke, V. D. (1992). Weed Management in Kharif Sunflower. *J.Maharashtra Agric.Univ.* 17: 502-503.

EcoReference No.: 73414

User Define 2: WASH

Chemical of Concern: MTL,PDM

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Bowman, J. B., Sinclair, J. B., and Yorinori, J. T. (1986). Effect of Herbicides on Soybean Disease Development and Seed Quality in the State of Parana. *Fitopatol.Bras.* 11: 205-216.

EcoReference No.: 73421

User Define 2: WASH

Chemical of Concern: MTL,MBZ,TFN

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Bowman, J. E. and Sinclair, J. B. (1989). Effect of Herbicides on Rhizoctonia Seedling Disease of Soybeans in Glasshouse Experiments. *J.Phytopathol.* 124: 267-274.

EcoReference No.: 73952

User Define 2: WASH

Chemical of Concern: MTL,ACR,MBZ,PMD,TFN

Endpoint: GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Bowman, J. E., Sinclair, J. B., and Wax, L. M. (1987). Effect of Herbicides on Soybean Seed Quality. *Fitopatol.Bras.* 12: 334-337.

EcoReference No.: 73339

User Define 2: WASH,CALF

Chemical of Concern: MTL,ACR,MBZ,OXF,PDM,TFN

Endpoint: POP,REP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Brar, L. S. and Walia, U. S. (1995). Bioefficacy of Herbicides Against *Trianthema portulacastrum* in Toria (Brassica

campestris subsp. Oleifera var Toria). *Indian J.Agron.* 40: 647-650.

EcoReference No.: 73917

User Define 2: WASH

Chemical of Concern: MTL,PDM,TFN

Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Braverman, M. P., Lavy, T. L., and Talbert, R. E. (1985). Effects of Metolachlor Residues on Rice (*Oryza sativa*). *Weed Sci.* 33: 819-824.

EcoReference No.: 73811

User Define 2: WASH

Chemical of Concern: MTL

Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Brown, J. F. and Swingle, H. D. (1977). Herbicide Evaluation in Vegetable Crops. *P So Wd S S* 30: 168-175.

EcoReference No.: 40627

User Define 2: WASH,CALF,MED

User Define 3: 05/27/04

Chemical of Concern: OYZ,MTL,PDM,TFN,VNT,BTL

Endpoint: PHY,MOR; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Calkins, J. B., Swanson, B. T., and Newman, D. L. (1996). Weed Control Strategies for Field Grown Herbaceous Perennials. *J.EnvIRON.Hortic.* 14: 221-227.

EcoReference No.: 73736

User Define 2: WASH,CALF

Chemical of Concern: MTL,ODZ,OXF,PDM,OYZ,FZF,SXD

Endpoint: POP,MOR; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Callan, E. J. and Kennedy, C. W. (1995). Tolerance of Stokes Aster to Selected Herbicides. *Ind.Crops Prod.* 4: 285-290.

EcoReference No.: 73964

User Define 2: WASH

Chemical of Concern: MTL,FZFP,VNT,TFN,IMQ,ACF,FSF,MBZ,CRM,BT,NFZ

Endpoint: GRO,MOR; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Cardina, J. and Swann, C. W. (1988). Metolachlor Effects on Peanut Growth and Development. *Peanut Sci.* 15: 57-60.

EcoReference No.: 73919

User Define 2: WASH

Chemical of Concern: MTL

Endpoint: POP,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Chandel, A. S., Saxena, S. C., and Singh, K. (1995). Integrated Weed Control and Its Economics in Soybean (*Glycine max*) Grown in Mollisols of Uttar Pradesh. *Indian J.Agron.* 40: 228-234.

EcoReference No.: 73924

User Define 2: WASH

Chemical of Concern: MTL,PDM

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Clements, C., Ralph, S., and Petras, M. (1997). Genotoxicity of Select Herbicides in *Rana catesbeiana* Tadpoles

Using the Alkaline Single-Cell Gel DNA Electrophoresis (Comet) Assay. *Environ.Mol.Mutagen.* 29: 277-288.

EcoReference No.: 20274

User Define 2: ECOTOX MED,WASH,CALF,CORE

User Define 3: 05/27/04

Chemical of Concern: 24DXY,ATZ,GYP,MBZ,MTL,DMM

Endpoint: CEL,MOR; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Cohen, R., Blaier, B., and Katan, J. (1992). Chloroacetamide Herbicides Reduce Incidence of Fusarium Wilt in Melons. *Crop Prot.* 11: 181-185.

EcoReference No.: 73238

User Define 2: WASH,CORE

Chemical of Concern: MTL,NPP,ACR

Endpoint: PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Crossan, C. K., Gilliam, C. H., Eakes, D. J., Keever, G. J., Wehtje, G. R., and Dozier, W. A. Jr. (1996). Weed Control with Herbicide-Coated or -Blended Fertilizer in 'August Beauty' Gardenia. *J.Environ.Hortic.* 14: 5-8.

EcoReference No.: 73735

User Define 2: WASH

Chemical of Concern: MTL,ODZ

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Das, N., Ray, S., Jena, S. N., and Mohanty, P. K. (1998). Effect of Certain Herbicides on Weeds and Population of Root-Knot Nematode (*Meloidogyne incognita*) in Mustard. *Crop Res.(Hisar)* 16: 156-158.

EcoReference No.: 73788

User Define 2: WASH,CALF

Chemical of Concern: MTL,PDM,TBC,ACR,ANL,OXF

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Davies, F. T. Jr. and Duray, S. A. (1992). Effect of Preemergent Herbicide Application on Rooting and Subsequent Liner Growth of Selected Nursery Crops. *J.Environ.Hortic.* 10: 181-186.

EcoReference No.: 73529

User Define 2: NEW CSC,WASH,CALF

Chemical of Concern: MTL,OXF

Endpoint: GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Day, K. E. (1993). Short-Term Effects of Herbicides on Primary Productivity of Periphyton in Lotic Environments. *Ecotoxicology* 2: 123-138.

EcoReference No.: 13325

User Define 2: ECOTOX MED,WASH,CALF

User Define 3: 05/27/04

Chemical of Concern: ATZ,HXZ,MTL,TET

Endpoint: PRS; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Day, K. E. and Hodge, V. (1996). The Toxicity of the Herbicide Metolachlor, Some Transformation Products and a Commercial Safener to an Alga (*Selenastrum capricornutum*), a Cyanophyte. *Water Qual.Res.J.Can.* 31: 197-214.

EcoReference No.: 19186

User Define 2: WASH,SENT  
User Define 3: 01/28/2004  
Chemical of Concern: MTL  
Endpoint: POP; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Derr, J. F. (1993). Wildflower Tolerance to Metolachlor and Metolachlor Combined with Other Broadleaf Herbicides. *Hortscience* 28: 1023-1026.

EcoReference No.: 70865  
User Define 2: REPS,WASH,CALF,CORE,SENT  
User Define 3: 06/01/04  
Chemical of Concern: SZ,MTL; Habitat: T; Rejection Code: LITE EVAL CODED(MTL),NO MIXTURE(SZ).

Derr, J. F. and Appleton, B. L. (1989). Weed Control with Landscape Fabrics. *J.Environ.Hortic.* 7: 129-133.

EcoReference No.: 73253  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,OYZ  
Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Derr, J. F., Chandran, R. S., and Ward, W. D. (1996). Preemergence and Postemergence Yellow Nutsedge (*Cyperus esculentus*) Control with MON 12000 in Nursery Crops. *Weed Technol.* 10: 95-99.

EcoReference No.: 73806  
User Define 2: WASH,CALF,CORE  
Chemical of Concern: MTL,BT,IMQ,GYP,CRM  
Endpoint: POP,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Dusky, J. A. (1986). Preemergency Herbicides for Radishes Grown on Organic Soils. *Hortscience* 21: 74-76.

EcoReference No.: 73265  
User Define 2: WASH  
Chemical of Concern: MTL,ACR,PDM,TBC,MBZ  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Eyherabide, J. J. (1996). Evaluation of Pre-emergent Herbicides for Weed Control in No Tillage Soybeans. *Ann.Appl.Biol.* 128: 64-65.

EcoReference No.: 73232  
User Define 2: WASH  
Chemical of Concern: MTL,MBZ  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Fairchild, J. F., Ruessler, D. S., and Carlson, A. R. (1998). Comparative Sensitivity of Five Species of Macrophytes and Six Species of Algae to Atrazine, Metribuzin, Alachlor, and Metolachlor. *Environ.Toxicol.Chem.* 17: 1830-1834.

EcoReference No.: 19461  
User Define 2: TITLE MED,WASH,CALF,CORE  
User Define 3: 05/27/04  
Chemical of Concern: ACR,ATZ,MBZ,MTL,DMM  
Endpoint: POP; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

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  
User Define 2: REPS,WASH,CALF,CORE,SENT  
User Define 3: 05/27/04  
Chemical of Concern: 24DXY,ACR,ATZ,BMN,DMB,MBZ,MTL,PAQT,SZ,DMM,TFN  
Endpoint: POP; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Farago, S., Kreuz, K., and Brunold, C. (1993). Decreased Glutathione Levels Enhance the Susceptibility of Maize Seedlings to Metolachlor. *Pestic.Biochem.Physiol.* 47: 199-205.

EcoReference No.: 73272  
User Define 2: WASHT  
Chemical of Concern: MTL  
Endpoint: BCM,ACC,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Fisher, D. J. and Hayes, A. L. (1985). A Comparison of the Biochemical and Physiological Effects of the Systemic Fungicide Cyprofuram with Those of the Related Compounds Metalaxyl and Metolachlor. *Crop Prot.* 4: 501-510.

EcoReference No.: 73269  
User Define 2: WASHT  
Chemical of Concern: MTL  
Endpoint: BCM,GRO,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Fleming, A. A., Banks, P. A., and Legg, J. G. (1988). Differential Response of Maize Inbreds to Bentazon and Other Herbicides. *Can.J.Plant Sci.* 68: 501-508.

EcoReference No.: 73255  
User Define 2: WASHT,CALFT  
Chemical of Concern: MTL,ATZ,BT  
Endpoint: GRO,MOR; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Foy, C. L. and Witt, H. L. (1997). SAN 582, Alachlor, and Metolachlor Control Triazine-Resistant (TR) Smooth Pigweed (*Amaranthus hybridus*) in No-Till Corn (*Zea mays*). *Weed Technol.* 11: 623-625.

EcoReference No.: 66126  
User Define 2: WASH,SENT  
User Define 3: 03/03/2004  
Chemical of Concern: ACR,MTL  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Frank, J. R. and Beste, C. E. (1990). Growth Inhibition of Ericaceous Plants from Metolachlor. *J.Environ.Hortic.* 8: 173-176.

EcoReference No.: 73231  
User Define 2: WASHT  
Chemical of Concern: MTL  
Endpoint: PHY,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Friesen, G. H. and Wall, D. A. (1986). Tolerance of Lentil (*Lens culinaris* Medik.) to Herbicides. *Can.J.Plant Sci.* 66: 131-140.

EcoReference No.: 73257  
User Define 2: WASH,CORE  
Chemical of Concern: MTL,TFN,MBZ,DMM  
Endpoint: GRO,POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).



Gabr, M. A., Shakeeb, M. A., Fahmy, F., and Abbas, H. (1988). Influence of Metolachlor on Growth and Some Biochemical Activities in Tomato (*Lycopersicon esculentum* L.) Seedlings. *Egypt J.Bot.* 31: 121-132.

EcoReference No.: 73242

User Define 2: WASHT

Chemical of Concern: MTL

Endpoint: GRO,BCM,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Gabr, M. A., Shakeeb, M. A., Fahmy, F. A., and Abbas, H. (1989). Influence of Metolachlor Foliar Spray on Growth, Carbohydrate Content, Pigmentation and Photosynthetic Activity in Transplanted Tomato Plants (*Lycopersicon esculentum* L.). *Egypt J.Bot.* 32: 1-9.

EcoReference No.: 73357

User Define 2: WASHT

Chemical of Concern: MTL

Endpoint: GRO,BCM,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Gabr, M. A., Shakeeb, M. A., Fahmy, F. A., and Abbas, H. (1989). Influence of Metolachlor Foliar Spray on the Nitrogen Components, Nucleic Acid Content and Enzyme Activities in Transplanted Tomato Plants (*Lycopersicon esculentum* L.). *Egypt J.Bot.* 32: 11-20.

EcoReference No.: 73349

User Define 2: WASHT

Chemical of Concern: MTL

Endpoint: BCM,GEN; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Gangwar, K. S., Niranjana, K. P., and Singh, O. P. (1991). Weed Management in Sorghum (*Sorghum bicolor*) + Pigeonpea (*Cajanus cajan*) Intercropping System in Dryland. *Indian J.Agric.Sci.* 61: 757-759.

EcoReference No.: 73259

User Define 2: WASH

Chemical of Concern: MTL

Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Ghosheh, H. Z. and Chandler, J. M. (1998). Johnsongrass (*Sorghum halepense*) Control Systems for Field Corn (*Zea mays*) Utilizing Crop Rotation and Herbicides. *Weed Technol.* 12: 623-630.

EcoReference No.: 73939

User Define 2: WASH

Chemical of Concern: MTL,EPTC,NSF,GYP

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Giannopolitis, C. N. (1981). Amaranthus Weed Species in Greece: Dormancy, Germination and Response to Pre-Emergence Herbicides. *Ann I P Ben* 13: 80-91.

EcoReference No.: 41031

User Define 2: MED,WASH

User Define 3: 05/27/04

Chemical of Concern: ACR,LNR,MTL,PDM,PMT

Endpoint: GRO,REP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Gilreath, J. P. (1987). Chemical Weed Control in Gypsophila. *Hortscience* 22: 446-448 .

EcoReference No.: 73266

User Define 2: WASH,CALF

Chemical of Concern: MTL,TBC,ACR,OXF,OYZ

Endpoint: GRO,POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Gilreath, J. P., Noling, J. W., and Santos, B. M. (2004). Methyl Bromide Alternatives for Bell Pepper (*Capsicum annuum*) and Cucumber (*Cucumis sativus*) Rotations. *Crop Prot.* 23: 347-351.

EcoReference No.: 73246

User Define 2: WASHT,CORE

Chemical of Concern: MTL,NPP

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Glaze, N. C. (1988). Weed Control in Direct-Seeded Tomato, *Lycopersicon esculentum* for Transplants. *Weed Technol.* 2: 333-337.

EcoReference No.: 73808

User Define 2: WASH,CORE

Chemical of Concern: MTL,NPP,PDM,MBZ,DMM,FZF,SXD

Endpoint: POP,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Glaze, N. C. and Hall, M. R. (1990). Cultivation and Herbicides for Weed Control in Sweet Potato (*Ipomoea batatas*). *Weed Technol.* 4: 518-523.

EcoReference No.: 73960

User Define 2: WASH

Chemical of Concern: MTL,ACR,FZF,FZFP,MBZ,NPP,OYZ,SXD

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Gogoi, A. K., Kalita, H., Pathak, A. K., and Deka, J. (1991). Chemical Control of Weeds in Field Pea (*Pisum sativum*). *Indian J.Agron.* 36: 287-288.

EcoReference No.: 73969

User Define 2: WASH

Chemical of Concern: MTL,TBC,ODZ,PDM,BT

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Gogoi, A. K., Kalita, H., Pathak, A. K., and Deka, J. (1991). Integrated Weed Management in Soybean (*Glycine max*). *Indian J.Agron.* 36: 453-454.

EcoReference No.: 73976

User Define 2: WASH

Chemical of Concern: MTL,FZFB

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Gogoi, A. K., Kalita, H., Pathak, A. K., and Deka, J. (1991). Weed Management in Blackgram (*Phaseolus mungo*). *Indian J.Agron.* 36: 601-602.

EcoReference No.: 73983

User Define 2: WASH

Chemical of Concern: MTL,FZFB

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Gogoi, A. K., Pathak, A. K., Deka, J., and Kalita, H. (1991). Pre-emergence Herbicides for Weed Control in Potato (*Solanum tuberosum*). *Indian J.Agron.* 36: 313-314 .

EcoReference No.: 73958

User Define 2: WASH

Chemical of Concern: MTL,ATZ,TBC

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Goncz, A. M. and Sencic, L. (1994). Metolachlor and 2,4-Dichlorophenoxyacetic Acid Sensitivity of *Salvinia natans*. *Bull. Environ. Contam. Toxicol.* 53: 852-855.

EcoReference No.: 13738

User Define 2: TITLE MED,WASH,CALF

User Define 3: 05/27/04

Chemical of Concern: 24DXY,MTL

Endpoint: POP,GRO,BCM; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Gora, D. R., Meena, N. L., Shivran, P. L., and Shivran, D. R. (1996). Dry-Matter Accumulation and Nitrogen Uptake in Cumin (*Cuminum cyminum*) as Affected by Weed Control and Time of N Application. *Indian J. Agron.* 41: 666-667.

EcoReference No.: 73973

User Define 2: WASH

Chemical of Concern: MTL,OXF

Endpoint: POP,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

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

User Define 2: WASH

Chemical of Concern: LCF,ACF,BT,PAQT,PMD,SXD,ACR,MTL

Endpoint: POP; Habitat : T; Rejection Code: LITE EVAL CODED(MTL).

Grichar, W. J., Evers, G. W., Pohler, C. L., and Schubert, A. M. (1987). Use of Preemergence Herbicides for Establishment of Clovers. *Tex. Agric. Exp. Stn. Prog. Rep.* 4537: 73-75.

EcoReference No.: 73911

User Define 2: WASH

Chemical of Concern: MTL,ACR,ATZ,OYZ

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Grichar, W. J., Lemon, R. G., Brewer, K. D., and Minton, B. W. (2001). S-Metolachlor Compared with Metolachlor on Yellow Nutsedge (*Cyperus esculentus*) and Peanut (*Arachis hypogaea*). *Weed Technol.* 15: 107-111.

EcoReference No.: 66847

User Define 2: WASH,CORE,SENT

User Define 3: 03/03/2004

Chemical of Concern: MTC,MTL

Endpoint: PHY,POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Grichar, W. J., Sestak, D. C., Brewer, K. D., Besler, B. A., Stichler, C. R., and Smith, D. T. (2001). Sesame (*Sesamum indicum* L.) Tolerance and Weed Control with Soil-Applied Herbicides. *Crop Prot.* 20: 389-394.

EcoReference No.: 73934

User Define 2: WASH

Chemical of Concern: MTL,PDM,EFL,TFN,IZT

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Gullner, G., Komives, T., and Rennenberg, H. (2001). Enhanced Tolerance of Transgenic Poplar Plants Overexpressing gamma-Glutamylcysteine Synthetase Towards Chloroacetanilide Herbicides. *J. Exp. Bot.*

52: 971-979.

EcoReference No.: 73922

User Define 2: WASH

Chemical of Concern: MTL,ACO

Endpoint: BCM,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Harrison, H. F., Farnham, M. W., and Peterson, J. K. (1998). Differential Response of Collard and Kale Cultivars to Preemergence Application of Metolachlor. *Crop Prot.* 17: 293-297.

EcoReference No.: 72762

User Define 2: WASH,SENT

Chemical of Concern: MTL

Endpoint: PHY,GRO,POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

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

User Define 2: WASH

Chemical of Concern: MTL,ACR,VNT,BFL,MTL,CTN,PAQT,DCZ,CRME

Endpoint: POP,BCM; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Hatzios, K. K. (1983). Effects of CGA-43089 on Responses of Sorghum to Metolachlor Combined with Ozone or Antioxidants. *Weed Sci.* 31: 280-284.

EcoReference No.: 41129

User Define 2: WASH,SENT

Chemical of Concern: MTL

Endpoint: GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Hatzios, K. K. (1984). Interactions of Tebuthiuron with Chloroacetanilide Herbicides on Corn (*Zea mays* L.) Seedlings Safened or Unsafened with the Antidote R-25788. *Zizaniology* 1.

EcoReference No.: 73738

User Define 2: WASH

Chemical of Concern: MTL,ACR,TET

Endpoint: GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Heatherly, L. G. and Elmore, C. D. (1991). Grass Weed Control for Soybean (*Glycine max*) on Clay Soil. *Weed Technol.* 5: 103-107.

EcoReference No.: 73803

User Define 2: WASH,CALF,CORE

Chemical of Concern: MTL,FZF,TFN,24DXY,LNR,MBZ,DMM

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Henne, R. C. (1977). New Compounds with Potential for Weed Control in Tomatoes. *Proc.Northeast.Weed Sci.Soc.* 31: 207-214.

EcoReference No.: 40630

User Define 2: MED,WASH

User Define 3: 05/27/04

Chemical of Concern: MTL,TFN,ODZ

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Heuer, B. and Carmi, A. (1992). Nitrogen-Enhanced Phytotoxicity to Cucumber of Low Concentrations of EPTC and Metolachlor. *Crop Prot.* 11: 572-576.

EcoReference No.: 73352

User Define 2: WASHT

Chemical of Concern: MTL

Endpoint: BCM,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Hood, L. R. and Klett, J. E. (1992). Preemergent Weed Control in Container-Grown Herbaceous and Woody Plants. *J. Environ. Hortic.* 10: 8-11.

EcoReference No.: 73251

User Define 2: WASH,CALF,CORE

Chemical of Concern: MTL,NPP,OYZ

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Ibrahim, A. F., Shaban, S. A., and El-Metwally, E. A. (1987). Effect of Some Herbicides on Oil Seed Rape (*Brassica napus* L.) and Associated Weeds. *J. Agron. Crop Sci.* 158: 236-240.

EcoReference No.: 73787

User Define 2: WASH

Chemical of Concern: MTL,ACR,PDM,ODZ,EPTC

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Intodia, S. K., Yadav, L. R., and Tomar, O. P. (1996). Effect of Herbicides on Weed-Control Efficiency and Yield in Maize (*Zea mays*)-Soybean (*Glycine max*) Intercropping System. *Indian J. Agric. Sci.* 66: 730-731.

EcoReference No.: 73793

User Define 2: WASH

Chemical of Concern: MTL,PDM

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Ivany, J. A. (2001). Evaluation of Herbicides for Control of Tufted Vetch (*Vicia cracca*) and Narrow-Leaved Vetch (*Vicia angustifolia*). *Crop Prot.* 20: 447-450.

EcoReference No.: 73935

User Define 2: WASH

Chemical of Concern: MTL,DMB,THF,MBZ,TNM,24DXY,BT,IZT

Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Ivany, J. A. and McCully, K. V. (1994). Evaluation of Herbicides for Sweet White Lupin (*Lupinus albus*). *Weed Technol.* 8: 819-823.

EcoReference No.: 73944

User Define 2: WASH

Chemical of Concern: MTL,EFL,FZFP,IZT,LNR,TFN

Endpoint: POP,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Jat, L. N., Nepalia, V., and Kumawat, R. N. (1999). Effect of Weed Management and Sulphur Fertilization on the Productivity of Soybean (*Glycine max*). *Indian J. Agric. Sci.* 69: 521-522.

EcoReference No.: 73799

User Define 2: WASH

Chemical of Concern: MTL,PDM

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Johnson III, C. W., Breneman, T. B., and Mullinix, B. G. Jr. (1994). Chloroacetamide Herbicides and Chlorimuron do not Predispose Peanut (*Arachis hypogaea*) to Stem Rot (*Sclerotium rolfsii*). *Peanut Sci.* 21: 126-129.

EcoReference No.: 73926

User Define 2: WASH

Chemical of Concern: MTL,ACR,CRM

Endpoint: POP,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

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

User Define 2: WASH

Chemical of Concern: MTL,BT,PAQT

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Jordan, D. L., Wilcut, J. W., and Fortner, L. D. (1994). Utility of Clomazone for Annual Grass and Broadleaf Weed Control in Peanut (*Arachis hypogaea*). *Weed Technol.* 8: 22-27.

EcoReference No.: 73943

User Define 2: WASH

Chemical of Concern: MTL,ACR,CMZ,ACF,BT,EFL

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Juneau, P., Dewez, D., Matsui, S., Kim, S. G., and Popovic, R. (2001). Evaluation of Different Algal Species Sensitivity to Mercury and Metolachlor by PAM-Fluorometry. *Chemosphere* 45: 589-74.

EcoReference No.: 62097

User Define 2: WASH,SENT

User Define 3: 01/28/2004

Chemical of Concern: MTL

Endpoint: BCM; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Junghans, M., Backhaus, T., Faust, M., Scholze, M., and Grimme, L. H. (2003). Predictability of Combined Effects of Eight Chloroacetanilide Herbicides on Algal Reproduction. *Pest Manag.Sci.* 59: 1101-1110.

EcoReference No.: 73426

User Define 2: WASH

Chemical of Concern: MTL,ACR,BTC

Endpoint: POP; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Kahn, B. A. and Schatzer, R. J. (1992). Economic and Horticultural Evaluation of Chemical and Mechanical Weed Control Strategies for Cowpea. *J.Am.Soc.Hortic.Sci.* 117: 255-259.

EcoReference No.: 73307

User Define 2: WASH

Chemical of Concern: MTL,TFN,PQT

Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Kalmowitz, K., Whitwell, T., Zehr, E., and Toler, J. (1991). Pesticides and Weeds Influence *Phytophthora cinnamomi* Presence and Growth in Container-Grown Azaleas. *Hortscience* 26: 1428.

EcoReference No.: 73263

User Define 2: WASH

Chemical of Concern: MTL

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Keeling, J. W., Bender, D. A., and Abernathy, J. R. (1990). Yellow Nutsedge (*Cyperus esculentus*) Management in Transplanted Onions (*Allium cepa*). *Weed Technol.* 4: 68-70.

EcoReference No.: 73961

User Define 2: WASHT

Chemical of Concern: MTL,BT

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

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

EcoReference No.: 20116

User Define 2: TITLE MED,WASH,CALF

User Define 3: 05/27/04

Chemical of Concern: ATZ, MTL

Endpoint: POP; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Kucey, R. M. N., Chaiwanakupt, P., Arayangkool, T., Snitwongse, P., Siripaibool, C., Wadisirisuk, P., and Boonkerd, N. (1988). Nitrogen Fixation (15N Dilution) with Soybeans Under Thai Field Conditions. II. Effect of Herbicides and Water Application Schedule. *Plant Soil* 108: 87-92.

EcoReference No.: 73540

User Define 2: NEW CSC,WASH

Chemical of Concern: MTL,PQT,ACR

Endpoint: PHY,POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Kunkel, D. L., Bellinder, R. R., and Steffens, J. C. (1996). Safeners Reduce Corn (*Zea mays*) Chloroacetanilide and Dicamba Injury Under Different Soil Temperatures. *Weed Technol.* 10: 115-120.

EcoReference No.: 73804

User Define 2: WASH

Chemical of Concern: MTL,ACR,ACO,DMB

Endpoint: GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Kurmvanshi, S. M., Sahu, T. R., and Sharma, R. S. (1995). Effect of Chemical Weed Control on Crop and Weed Biomass, Productivity Index and Weed Competition Index in Soybean Ecosystem. *Crop Res.* 9: 390-393.

EcoReference No.: 73241

User Define 2: WASH

Chemical of Concern: MTL

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Kurtz, M. E. (1996). The Influence of Preemergence Applied Herbicides on Kenaf Stand, Height, and Yield. *Ind.Crops Prod.* 5: 265-271.

EcoReference No.: 73986

User Define 2: WASH

Chemical of Concern: MTL,MBZ,DMM,NFZ,PDM,IZT,IMQ,FMU,EFL,DU,CZE,ATZ,ACR,CRM

Endpoint: GRO,POP,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Kwon, C. S. and Penner, D. (1995). The Interaction of Insecticides with Herbicide Activity. *Weed Technol.* 9: 119-124.

EcoReference No.: 73949

User Define 2: WASH

Chemical of Concern: MTL,ACO,TBO,CRM,IMQ,IZF,NSF,PMS

Endpoint: GRO; Habitat : T; Rejection Code: LITE EVAL CODED(MTL).

Lytle, J. S. and Lytle, T. F. (1996). Responses of the Estuarine Plant *Scirpus olneyi* to Two Herbicides, Atrazine and Metolachlor. In: D.A.Bengtson and D.S.Henshel (Eds.), *Environmental Toxicology and Risk Assessment: Biomarkers and Risk Assessment, 5th Volume, ASTM STP 1306, Philadelphia, PA* 270-284.

EcoReference No.: 61985  
User Define 2: WASH,CALF,SENT  
User Define 3: 01/28/2004  
Chemical of Concern: ATZ,MTL  
Endpoint: BCM,GRO; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Ma, J. and Liang, W. (2001). Acute Toxicity of 12 Herbicides to the Green Alga *Chlorella pyrenoidosa* and *Scenedesmus obliquus*. *Bull. Environ. Contam. Toxicol.* 67: 347-351 .

EcoReference No.: 61984  
User Define 2: WASH,SENT  
Chemical of Concern: MTL,BMN  
Endpoint: POP; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

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  
User Define 2: REPS,WASH,CALF,CORE,SENT  
Chemical of Concern: ATZ,SZ,BTC,MTL,DU,BMN,GYP  
Endpoint: POP; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Ma, J., Xu, L., Wang, S., Zheng, R., Jin, S., Huang, S., and Huang, Y. ( Toxicity of 40 Herbicides to the Green Alga *Chlorella vulgaris*. *Ecotoxicol. Environ. Saf.* 51: 128-74.

EcoReference No.: 65938  
User Define 2: REPS,WASH,CALF,CORE,SENT  
Chemical of Concern:  
DFP,QZF,HFP,FNP,FZF,CLT,NSF,TN,EMSF,BSFM,CRME,FTS,BP,ANL,TFN,PDM,BTC,MTL,ACO,S  
Z,ATZ,MLT,CZE,DU,PAQT,BMN,FXP,QNC,OXF,GFS,GYP  
Endpoint: POP; Habitat: A; Rejection Code: LITE EVAL CODED(MLT,MTL).

Maheswarappa, H. P. and Nanjappa, H. V. (1994). Relative Efficacy of Herbicides in Controlling the Weeds Infesting Pigeonpea (*Cajanus cajan*). *Indian J. Agron.* 39: 662-664 .

EcoReference No.: 73953  
User Define 2: WASH  
Chemical of Concern: MTL,ACR,OXF,PMD  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Masters, R. A. (1995). Establishment of Big Bluestem and Sand Bluestem Cultivars with Metolachlor and Atrazine. *Agron. J.* 87: 592-596.

EcoReference No.: 73937  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,ATZ  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Mayer, F. L. J. 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

User Define 2: REPS,WASH,CALF,CORE,SENT

Chemical of Concern:

EDT,RSM,SZ,24DXY,ACP,ACR,ADC,ATZ,AZ,BS,Captan,CBF,CBL,CMPH,CPY,DBN,DFZ,DMB,DM  
T,DPDP,DS,DU,DZ,FO,GYP,HCCH,HXZ,LNR,MBZ,MDT,MLN,MLT,MOM,MP,MTL,Naled,OYZ,PEB  
,PAQT,PRT,PSM,Folpet,PYN,CYT,DMM,EFS,NAA,NTP,PMR,PPB,TFN,WFN

Endpoint: MOR,PHY; Habitat: A; Rejection Code: LITE EVAL CODED(MTL,MLT,CBF,ADC),OK  
(MOM).

Mccarty, L. B., Porter, D. W., and Colvin, D. L. (1995). Sod Regrowth of St. Augustinegrass After Preemergence Herbicide Application. *Agron.J.* 87: 503-507.

EcoReference No.: 73910

User Define 2: WASH

Chemical of Concern: MTL,ATZ,DTP,ODZ,PDM

Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Mccarty, L. B., Porter, D. W., Colvin, D. L., Shilling, D. G., and Hall, D. W. (1995). St. Augustinegrass Rooting Following Preemergence Herbicide Application. *J.Am.Soc.Hortic.Sci.* 120: 374-378.

EcoReference No.: 73301

User Define 2: WASH,CALF

Chemical of Concern: MTL,ATZ,PDM

Endpoint: GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

McMullan, P. M. and Blackshaw, R. E. (1995). Postemergence Green Foxtail (*Setaria viridis*) Control in Corn (*Zea mays*) in Western Canada. 9: 37-43.

EcoReference No.: 73801

User Define 2: WASH

Chemical of Concern: MTL,CZE,EPTC,NSF,RIM

Endpoint: POP,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Mcnevin, G. and Harvey, R. G. (1982). Wild Proso Millet Control in Processing Peas and Soybeans. *Weed Sci.* 30: 365-368.

EcoReference No.: 41283

User Define 2: ECOTOX MED,WASH,CALF,CORE

User Define 3: 05/27/04

Chemical of Concern: OYZ,ACR,MTL,DFP,EFL,LNR,MCPB,MBZ,DMM,PDM,TFN,PCH

Endpoint: MOR; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Mellis, J. M., Pillai, P., Davis, D. E., and Truelove, B. (1982). Metolachlor and Alachlor Effects on Membrane Permeability and Lipid Synthesis. *Weed Sci.* 30: 399-404 .

EcoReference No.: 25746

User Define 2: WASH,SENT

User Define 3: 03/03/2004

Chemical of Concern: ACR,MTL

Endpoint: PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Mersie, W., Mebrahtu, T., and Rangappa, M. (1989). Ozone-Metolachlor Interactions on Corn (*Zea mays*), Bean (*Phaseolus vulgaris*), and Soybean (*Glycine max*). *Weed Technol.* 3: 650-654.

EcoReference No.: 73809  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Mishra, J. S. and Bhan, V. M. (1996). Chemical Control of Carrot Grass (*Parthenium hysterophorus*) and Associated Weeds in Soybean (*Glycine max*). *Indian J.Agric.Sci.* 66: 518-521.

EcoReference No.: 73792  
User Define 2: WASH  
Chemical of Concern: MTL,ODZ,ACR,PDM,BT  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Mueller, T. C. and Hayes, R. M. (1997). Effect of Tillage and Soil-Applied Herbicides on Broadleaf Signalgrass (*Brachiaria platyphylla*) Control in Corn (*Zea mays*). *Weed Technol.* 11: 698-703.

EcoReference No.: 73914  
User Define 2: WASH  
Chemical of Concern: MTL,ACO,ACR,PDM  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Mueller-Warrant, G. W., Young III, C. W., and Mellbye, M. E. (1994). Influence of Residue Removal Method and Herbicides on Perennial Ryegrass Seed Production: I. Weed control. *Agron.J.* 86: 677-684.

EcoReference No.: 73794  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,OXF,TFN,PDM,DU,TRB  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Murphy, H. J. and Gajewski, T. (1977). Effect of Several Herbicides Applied Preemergence, at Drag-Off and Layby on Weed Control in White Potatoes. *Proc.Northeast.Weed.Sci.Soc.* 31: 176-179.

EcoReference No.: 41806  
User Define 2: MED,WASH,CORE  
User Define 3: 05/27/04  
Chemical of Concern: ACR,LNR,MTL,PDM,MBZ,DMM,EPTC  
Endpoint: MOR; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Murthy, G. M. A. and Gowda, J. V. N. (1993). Evaluation of Herbicides for Weed Control in Tuberose (*Polianthes tuberosa* Linn.) cv. Double. *Crop Res.(Hisar)* 6: 176-178.

EcoReference No.: 73795  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,ACR,DU,PDM,ATZ,24DXY,BTC  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Myers, M. G. and Harvey, R. G. (1993). Triazine-Resistant Common Lambsquarters (*Chenopodium album* L.) Control in Field Corn (*Zea mays* L.). *Weed Technol.* 7: 884-889.

EcoReference No.: 73810  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,THF,BMN,MBZ,DMM,ACR,ACO,ATZ,PDM,CZE,LNR,DMB,PYD,24DXY  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Nair, S. G., Patil, B. M., and Karunakar, A. P. (1999). Effect of Chemical Weed Control on Growth and Yield of Irrigated Mustard (*Brassica juncea* L.). *Crop Res.* 17: 116-117.

EcoReference No.: 73334  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,OXF,PDM  
Endpoint: GRO,POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Nayak, B. S., Prusty, J. C., and Mohanty, S. K. (1994). Effect of Herbicides on Bacteria, Fungi and Actinomycetes in Sesame (*Sesamum Indicum*) Soil. *Indian J.Agric.Sci.* 64: 888-890.

EcoReference No.: 73800  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,PDM,ANL,BTC,OXF,TBC,ACR  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Novosel, K. M., Renner, K. A., Kells, J. J., and Spandl, E. (1998). Metolachlor Efficacy as Influenced by Three Acetolactate Synthase-Inhibiting Herbicides. *Weed Technol.* 12: 248-253.

EcoReference No.: 72890  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

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

EcoReference No.: 13689  
User Define 2: ECOTOX MED,WASH,CALF,CORE  
User Define 3: 05/27/04  
Chemical of Concern: ACR,MBZ,MTL,DMM,ATZ  
Endpoint: REP,MOR; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Osano, O., Admiraal, W., and Otieno, D. (2002). Developmental Disorders in Embryos of the Frog *Xenopus laevis* Induced by Chloroacetanilide Herbicides and Their Degradation Products. *Environ.Toxicol.Chem.* 21: 375-379.

EcoReference No.: 66376  
User Define 2: WASH,SENT  
Chemical of Concern: ACR,MTL  
Endpoint: GRO,MOR; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Osborne, B. T., Shaw, D. R., and Ratliff, R. L. (1995). Response of Selected Soybean (*Glycine max*) Cultivars to Dimethenamid and Metolachlor in Hydroponic Conditions. *Weed Sci.* 9: 178-181.

EcoReference No.: 73947  
User Define 2: WASH,CORE  
Chemical of Concern: MTL  
Endpoint: GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Osborne, B. T., Shaw, D. R., and Ratliff, R. L. (1995). Soybean (*Glycine max*) Cultivar Tolerance to SAN 582H and Metolachlor as Influenced by Soil Moisture. *Weed Sci.* 43: 288-292.

EcoReference No.: 73990  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

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

EcoReference No.: 13800

User Define 2: REPS,WASH,CALF,CORE,SENT

User Define 3: 05/27/04

Chemical of Concern: ACL,24DXY,ATZ,BMN,CBF,CBL,GYP,HXZ,MBZ,MTL,SZ,TET,TPR,DMM

Endpoint: PHY,POP; Habitat: A; Rejection Code: LITE EVAL CODED(CBF,MTL).

Pillai, P., Davis, D. E., and Truelove, B. (1979). Effects of Metolachlor on Germination, Growth, Leucine Uptake and Protein Synthesis. *Weed Sci.* 27: 634-637.

EcoReference No.: 44022

User Define 2: MED,WASH

User Define 3: 05/27/04

Chemical of Concern: MTL

Endpoint: GRO,REP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Ramakrishna, A., Ong, C. K., and Reddy, S. L. N. (1991). Integrated Weed Management for Rainfed Groundnut. *J.Plant Prot.Trop.* 8 : 111-119.

EcoReference No.: 73245

User Define 2: WASH

Chemical of Concern: MTL,PDM

Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Ramakrishna, A., Ong, C. K., and Reddy, S. L. N. (1991). Studies on Integrated Weed Management in Sorghum. *Trop.Pest Manag.* 37: 159-161.

EcoReference No.: 73786

User Define 2: WASH,CALF

Chemical of Concern: MTL,BT,ATZ

Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Ramamoorthy, K., Ramasamy, M., and Vairavan, K. (1995). Chemical and Cultural Weed Control in Irrigated Soybean (*Glycine max*). *Indian J.Agron.* 40: 127-128.

EcoReference No.: 73918

User Define 2: WASH

Chemical of Concern: MTL,ACR

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Reddy, K. N. and Singh, M. (1993). Response of Citrus (*Citrus spp.*) Rootstock Seedlings to Soil-Applied Herbicides. *J.Environ.Hortic.* 11: 39-40.

EcoReference No.: 73256

User Define 2: WASH,CALF,CORE

Chemical of Concern: MTL,NPP,NFZ,OYZ,PDM,TFN

Endpoint: GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Reinhardt, C. F. and Nel, P. C. (1989). Use of Prometryn in Combination with Nine Herbicides in Sunflower (*Helianthus annuus L.*). *Appl.Plant Sci.* 3: 99-102.

EcoReference No.: 73369

User Define 2: WASHT

Chemical of Concern: MTL,ACR,TFN,PDM

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Rodrigues, G. S., Pimentel, D., and Weinstein, L. H. (1998). In Situ Assessment of Pesticide Genotoxicity in an Integrated Pest Management Program I - Tradescantia Micronucleus Assay. *Mutat.Res.* 412: 235-244.

EcoReference No.: 73531

User Define 2: NEW CSC,WASH,CORE

Chemical of Concern: CYP,MTL; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Ronco, A., Sobrero, C., Grassi, V., Kaminski, L., Massolo, L., and Mina, L. (2000). WaterTox Bioassay Intercalibration Network: Results from Argentina. *Environ.Toxicol.* 15: 287-296.

EcoReference No.: 67700

User Define 2: WASH,SENT

Chemical of Concern: Cd,Cu,Cr,Hg,Zn,As,MTL,NYP,PCP,HCCH,AND,DDT

Endpoint: GRO,MOR; Habitat: AT; Rejection Code: LITE EVAL CODED(MTL).

Roseberg, R. J. (1997). Herbicide Tolerance by Vernonia Grown in the Temperate Zone. *Ind.Crops Prod.* 6: 89-96.

EcoReference No.: 73987

User Define 2: WASH

Chemical of Concern:

MTL,TFN,PDM,EFL,FZF,SXD,PCH,ATZ,CPR,DCPA,NPP,24DXY,DMB,OXF,24DB,EPTC,OYZ,DU,M  
BZ,DMM,OXF,BMN

Endpoint: PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Rout, D. and Satapathy, M. R. (1998). Chemical Weed Control in Rainfed Cotton (*Gossypium hirsutum*). *Indian J.Agron.* 43: 348-350.

EcoReference No.: 73972

User Define 2: WASH

Chemical of Concern: MTL,ANL,PDM,BTC,GYP,OXF

Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Rout, D. and Satapathy, M. R. (1996). Chemical Weed Control in Rainfed Maize (*Zea mays*). *Indian J.Agron.* 41: 51-53.

EcoReference No.: 73971

User Define 2: WASH

Chemical of Concern: MTL,ATZ,ANL,PDM,BTC,GYP,OXF

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Rowe, L. and Penner, D. (1990). Factors Affecting Chloroacetanilide Injury to Corn (*Zea mays*). *Weed Sci.* 4: 904-906.

EcoReference No.: 73959

User Define 2: WASH

Chemical of Concern: MTL,ACR

Endpoint: GRO,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Scarponi, L., Alla, M. N., and Martinetti, L. (1992). Metolachlor in Corn (*Zea mays*) and Soybean (*Glycine max*): Persistence and Biochemical Signs of Stress During Its Detoxification. *J.Agric.Food Chem.* 40: 884-889.

EcoReference No.: 73304

User Define 2: WASHT

Chemical of Concern: MTL

Endpoint: ACC,BCM; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Scarponi, L., Perucci, P., and Marucchini, C. (1989). Effect of Alachlor, Metolachlor, Atrazine and Simazine Residues on Some Enzyme Activities of Maize Tissues. *Agrochimica* 33: 403-411.

EcoReference No.: 71312

User Define 2: REPS,WASH,CALF,CORE,SENT

User Define 3: 06/01/04

Chemical of Concern: ATZ,SZ,ACR,MTL

Endpoint: GRO,ACC,BCM; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Schroeder, J. (1992). Pepper (*Capsicum annuum*) Cultivar Response to Metolachlor in Three New Mexico Soils. *Weed Technol.* 6: 366-373.

EcoReference No.: 73977

User Define 2: WASH

Chemical of Concern: MTL

Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Schroeder, J., Kenney, M. J., Thomas, S. H., and Murray, L. (1994). Yellow Nutsedge Response to Southern Root-Knot Nematodes, Chile Peppers, and Metolachlor. *Weed Sci.* 42: 534-540.

EcoReference No.: 73929

User Define 2: WASH

Chemical of Concern: MTL

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Selleck, G. W. and Weber, L. E. (1976). Herbicide Trials for Yellow Nutsedge in Potatoes on Long Island. *Proc.Northeast.Weed Sci.Soc.* 30: 239-242.

EcoReference No.: 40628

User Define 2: MED,WASH,CORE

User Define 3: 05/27/04

Chemical of Concern: DMM,ACR,MBZ,MTL,EPTC,NPP

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Sharma, R. K., Bangar, K. S., Kanere, G., Singh, O. P., Thakur, G. L., and Sharma, S. R. (1992). Effect of Weed Control on Yield of Soybean (*Glycine max*). *Indian J.Agron.* 37: 372-373.

EcoReference No.: 73956

User Define 2: WASH

Chemical of Concern: MTL,ACR,PMD

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Sharma, V., Thakur, D. R., and Sharma, J. J. (1998). Effect of Metolachlor and Its Combination with Atrazine on Weed Control in Maize (*Zea mays*). *Indian J.Agron.* 43: 677-680.

EcoReference No.: 73970

User Define 2: WASH,CALF

Chemical of Concern: MTL,ATZ

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Shivakumar, H. R., Prathibha, N. C., and Muniyappa, T. V. (1994). Effect of Chemical Weed Control on Nutrient Uptake by Common Mulberry (*Morus australis*) and Associated Weeds. *Indian J.Agron.* 39: 277-281.

EcoReference No.: 73954

User Define 2: WASH  
Chemical of Concern: MTL,DU,BTC,ACR,PMD,OXF  
Endpoint: BCM,POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Singh, H., Kolar, J. S., and Gupta, R. P. (1995). The Effect of Pre-emergence Applied Herbicides on the Symbiotic Parameters and Seed Yield of Soybean (*Glycine max* (L.) Merrill). *Int.J.Trop.Agric.* 13: 143-150.

EcoReference No.: 73336  
User Define 2: WASH,CALF,CORE  
Chemical of Concern: MTL,OXF,EFL,PDM  
Endpoint: GRO,BCM,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Singh, R., Jangir, R. P., and Poonia, B. L. (1995). Evaluation of Herbicides for Control of Weeds in Chilli (*Capicum annum*). *Indian J.Agric.Sci.* 65: 723-726.

EcoReference No.: 73798  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,OXF,PDM  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Singh, V. K., Bajpai, R. P., Mishra, R. K., and Purohit, K. K. (1991). Chemical Weed Control in Rainfed Soybean (*Glycine max*). *Indian J.Agron.* 36: 292-294.

EcoReference No.: 73968  
User Define 2: WASH  
Chemical of Concern: MTL,TBC,ACR,MBZ,ODZ,PDM  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Skroch, W. A., Catanzaro, C. J., and Yonce, M. H. (1990). Response of Nine Herbaceous Flowering Perennials to Selected Herbicides. *J.Enviro.Hortic.* 8: 26-28.

EcoReference No.: 73250  
User Define 2: WASH,CORE  
Chemical of Concern: MTL,BS,NPP  
Endpoint: GRO,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Sloan, M. E. and Camper, N. D. (1986). Effects of Alachlor and Metolachlor on Cucumber Seedlings. *Environ.Exp.Bot.* 26: 1-7.

EcoReference No.: 44214  
User Define 2: MED,WASH  
Chemical of Concern: ACR,MTL  
Endpoint: GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

St.Laurant, D. and Blaise, C. (1992). Comparative Assessment of Herbicide Phytotoxicity to *Selenastrum capricornutum* Using Microplate and Flask Bioassay Procedures. *Environ.Toxicol.Water Qual.* 7: 35-48 (OECDG Data File).

EcoReference No.: 56387  
User Define 2: ECOTOX CSC,WASH,CALF  
User Define 3: 06/16/04  
Chemical of Concern: 24DXY,HXZ,MTL  
Endpoint: CEL; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

St Laurent, D., Blaise, C., MacQuarrie, P., Scroggins, R., and Trottier, B. (1992). Comparative Assessment of Herbicide Phytotoxicity to *Selenastrum capricornutum* Using Microplate and Flask Bioassay Procedures.

*Environ.Toxicol.Water Qual.* 7: 35-48.

EcoReference No.: 45196

User Define 2: WASH,CALF,CORE

User Define 3: 07/31/03

Chemical of Concern: Cu,HXZ,MTL,GYP,24DXY,BMN,Zn

Endpoint: GRO; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Staats, D. and Klett, J. E. (1993). Evaluation of Weed Control and Phytotoxicity of Preemergence Herbicides Applied to Container-Grown Herbaceous and Woody Plants. *J.Environ.Hortic.* 11: 78-81.

EcoReference No.: 73252

User Define 2: WASH,CALF

Chemical of Concern: MTL,OYZ,TFN

Endpoint: POP,GRO,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

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.Stm.Res.Ser.* 394: 1-50.

EcoReference No.: 73915

User Define 2: WASH

Chemical of Concern:

MTL,ACF,ACR,ATZ,TFN,BFL,BT,BMN,CRM,DU,FNP,FZFP,FSF,HFP,IMQ,IZT,LCF,LNR,MTZ,MBZ ,NFZ,MSMA,OXF,PAQT,PDM,PMS,PMT,PYD,QZF,SDX,24DXY,24DB,CLT,CMZ,CZE,DMB,DMM

Endpoint: POP,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Talbert, R. E., Oliver, L. R., Frans, R. E., Wichert, R. A., Carey, V. F., Johnson, D. H., and Ruff, D. F. (1993). Field Screening of New Chemicals for Herbicidal Activity 1992. *Ark.Agric.Exp.Stm.Res.Ser.* 1-22.

EcoReference No.: 73424

User Define 2: WASH

Chemical of Concern: MTL,TFN,MBZ

Endpoint: POP,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

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.Stm.Res.Ser.* 447: 1-38.

EcoReference No.: 73916

User Define 2: WASH

Chemical of Concern:

MTL,BT,CPP,CLT,CMZ,CPR,CYC,DCPA,DDP,PHMD,DEE,DMM,DU,EPTC,EFL,FZP,FTS,FSF,GFS, GYP,IZT,MLX,Cu,MBZ,NPP,OYZ,PAQT,PMD,PHMD,QNC,SXD,SFZ,TPZ,TPR,TFN,24DXY

Endpoint: POP,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

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

EcoReference No.: 73236

User Define 2: WASH,CALF,CORE

Chemical of Concern: MTL,PDM,TFN,TBC,OXF,EFL, 2,4DXY,ATZ,NPP,GYP,BT,MBZ

Endpoint: POP,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

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.Stm.Res.Ser.* 429: 1-29.



EcoReference No.: 70441  
User Define 2: WASH,CALF,CORE,SENT  
User Define 3: 05/12/2004  
Chemical of Concern: ATZ,NPP,MTL,PQT,OXF,DU,PDM,BT,TFN,24DXY,OYZ  
Endpoint: PHY,POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

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

EcoReference No.: 73264  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,ACR,OYZ,LNR,OXF,ATZ,MBZ,PQT  
Endpoint: GRO,POP,PHY; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Teasdale, J. R. (1985). Delayed Application of Metolachlor for Pepper, Tomato, and Cucumber. *Proc.Northeast. Weed Sci.Soc.* 39: 131-133.

EcoReference No.: 31621  
User Define 2: WASH,SENT  
User Define 3: 05/12/2004  
Chemical of Concern: MTL  
Endpoint: INJ,POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Tewari, A. N., Rathi, K. S., and Singh, B. (1998). Integrated Weed Management in Garlic (*Allium sativum*). *Indian J.Agric.Sci.* 68: 281-283.

EcoReference No.: 73841  
User Define 2: WASH,CALF  
Chemical of Concern: OXF,MTL,PDM  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Thakur, D. R. (1994). Weed Management in Intercropping Systems Based on Maize (*Zea mays*) Under Rainfed Mid-hill Conditions. *Indian J.Agron.* 39: 203-206.

EcoReference No.: 73955  
User Define 2: WASH  
Chemical of Concern: MTL,PMD,ACR  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Tiwari, J. P. and Kurchania, S. P. (1993). Chemical Control of Weeds in Indian Mustard (*Brassica juncea*). *Indian J.Agric.Sci.* 63 : 272-275.

EcoReference No.: 73258  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,PDM,OXF,BTC  
Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Tu, C. M. (1992). Effect of Some Herbicides on Activities of Microorganisms and Enzymes in Soil. *J.Environ.Sci.Health Part B* 27: 695-709.

EcoReference No.: 73261  
User Define 2: WASH,CALF,CORE  
Chemical of Concern: MTL,ATZ,EFL,LNR,MBZ,TFN  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Van Biljon, J. J. and Nel, P. C. (1988). Effect of Temperature and Soil Moisture on the Selectivity of Metolachlor in Maize. *Appl.Plant Sci.* 2: 1-5.

EcoReference No.: 73243

User Define 2: WASHT

Chemical of Concern: MTL

Endpoint: GRO ; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Van Heerden, H. G., Hoffmann-Grobler, L. L., and Eisenberg, B. E. (1991). Effect of Isopropalin and Metolachlor on Flue-Cured Tobacco Transplants. *Appl.Plant Sci.* 5: 18-20.

EcoReference No.: 73345

User Define 2: WASHT

Chemical of Concern: MTL

Endpoint: GRO ; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Velu, G. (1998). Effect of Herbicides and Cultivars on the Ecophysiological Characteristics and Grain Yield of Greengram. *Int.J.Trop.Agric.* 16: 147-155.

EcoReference No.: 73363

User Define 2: WASH

Chemical of Concern: MTL,TBC

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Vengris, J. (1977). Annual Weed Control in Alfalfa New Seedlings. *Proc.Northeast.Weed Sci.Soc.* 31: 99-103.

EcoReference No.: 40621

User Define 2: MED,WASH

User Define 3: 05/27/04

Chemical of Concern: MTL,EPTC,MTZ

Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Vengris, J. (1977). Annual Weed Control in Field Corn. *Proc.Northeast.Weed Sci.Soc.* 31: 1-5.

EcoReference No.: 40869

User Define 2: MED,WASH,CALF

User Define 3: 05/27/04

Chemical of Concern: MTL,ATZ,ACR,BTY,CZE,PDM

Endpoint: GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Waldrop, D. D. and Banks, P. A. (1983). Interactions of Herbicides with Insecticides in Soybeans. *Weed Sci.* 31: 730-734.

EcoReference No.: 41050

User Define 2: ECOTOX MED,WASH,CALF,CORE

User Define 3: 05/27/04

Chemical of Concern: OYZ,DMM,MBZ,MTL,PRT,TBO,ADC,ACF,TXP,SXD

Endpoint: GRO,PHY,POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Walsh, G. E., Weber, D. E., Simon, T. L., Brashers, L. K., and Moore, J. C. (1991). Use of Marsh Plants for Toxicity Testing of Water and Sediment. In: *J.W.Gorsuch, W.R.Lower, W.Wang and M.A.Lewis (Eds.), Plants for Toxicity Assessment, ASTM STP 1115, Philadelphia, PA* 2: 341-354.

EcoReference No.: 4057

User Define 2: ECOTOX MED,WASH

User Define 3: 05/27/04

Chemical of Concern: MTL,NFZ  
Endpoint: GRO; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Warren, S. L. and Skroch, W. A. (1991). Evaluation of Six Herbicides for Potential Use in Tree Seed Beds. *J.Environ.Hortic.* 9: 160-163.

EcoReference No.: 73249  
User Define 2: WASH,CALF,CORE  
Chemical of Concern: MTL,OYZ,NPP,OXF  
Endpoint: MOR,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL) .

Webber III, C. L. (1992). The Influence of Metolachlor and Trifluralin on Kenaf (*Hibiscus cannabinus* L.) Yield Components. *Ind.Crops Prod.* 1: 17-20.

EcoReference No.: 73963  
User Define 2: WASH  
Chemical of Concern: MTL,TFN  
Endpoint: POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Whitwell, T. and Kelly, J. (1989). Effects of Preemergence Herbicides on Hosta and Daylily. *J.Environ.Hortic.* 7: 29-31.

EcoReference No.: 73254  
User Define 2: WASH,CALF,CORE  
Chemical of Concern: MTL,OXF,TFN,OYZ,PDM,NPP  
Endpoint: PHY,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Wilkinson, R. E. (1988). Consequences of Metolachlor Induced Inhibition of Gibberellin Biosynthesis in Sorghum Seedlings. *Pestic.Biochem.Physiol.* 32: 25-37.

EcoReference No.: 73229  
User Define 2: WASHT  
Chemical of Concern: MTL,ACR  
Endpoint: POP,GRO,BCM; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Wilkinson, R. E. and Duncan, R. R. (1993). Interactions of Metolachlor and Excess Hydrogen (H<sup>+</sup>) Influences on Sorghum (*Sorghum bicolor*) Cultivar Roots. *Weed Sci.* 16: 1099-1107.

EcoReference No.: 73966  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Wilkinson, R. E., Duncan, R. R., Meredith, S. A., and Hatzios, K. K. (1993). Growth and Physiological Responses of Sorghum Cultivars Exposed to Excess H<sup>+</sup> and the Herbicide Metolachlor. *Can.J.Bot.* 71: 533-540.

EcoReference No.: 73417  
User Define 2: WASHT  
Chemical of Concern: MTL  
Endpoint: GRO ; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Wolf, M. C. and Moore, P. A. (2002). Effects of the Herbicide Metolachlor on the Perception of Chemical Stimuli by *Orconectes rusticus*. *J.N.Am.Benthol.Soc.* 21: 457-74.

EcoReference No.: 68515  
User Define 2: WASH,CALF,SENT

User Define 3: 01/28/2004  
Chemical of Concern: MTL  
Endpoint: BEH; Habitat: A; Rejection Code: LITE EVAL CODED(MTL).

Yenne, S. P. and Hatzios, K. K. (1989). Influence of Oxime Ether Safeners and Metolachlor on Acetate Incorporation into Lipids and on Acetyl-CoA Carboxylase of Grain Sorghum. *Pestic.Biochem.Physiol.* 35: 146-154.

EcoReference No.: 73228  
User Define 2: WASHT  
Chemical of Concern: MTL  
Endpoint: BCM,REP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

Young, B. G. and Hart, S. E. (1997). Giant Foxtail (*Setaria faberi*) Control in Sethoxydim-Resistant Corn (*Zea mays*). *Weed Sci.* 45: 771-776.

EcoReference No.: 73913  
Chemical of Concern: MTL,SXD,ATZ,CZE,DMB,NSF,HSF,DMM  
Endpoint: POP; Habitat: T; Rejection Code: LITE EVAL CODED(MTL).

#### Accepted for ECOTOX but not OPP

Adejonwo, K. O., Mamtso, D. M., and Lagoke, S. T. O. (1987). Evaluation of Pre- and Directed Post-Emergence Herbicide Mixtures for Weed Control in Okra. *Tests Agrochem.Cultiv.* 8: 92-93.

EcoReference No.: 73537  
User Define 2: NEW CSC,WASH,CORE  
Chemical of Concern: MTL,MBZ,DMM  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Adigun, J. A., Lagoke, S. T., and Karikari, S. K. (1987). Herbicide Evaluation Studies in Transplanted Chili Pepper (*Capsicum frutescens* L.) in the Nigerian Savanna. *Crop Prot.* 6: 283-288.

EcoReference No.: 73933  
User Define 2: WASH  
Chemical of Concern: MTL,MBZ,ODZ,LNR,PDM,ACR  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Adigun, J. A., Lagoke, S. T. O., and Karikari, S. K. (1991). Chemical Weed Control in Irrigated Sweet Pepper (*Capsicum annum* L.). *Trop.Pest Manag.* 37: 155-158 .

EcoReference No.: 73541  
User Define 2: WASH,NEW CSC  
Chemical of Concern: MTL,PDM,ACR,LNR,PHTH  
Endpoint: POP,GRO; Habitat: T; Rejection Code: NO MIXTURE(MTL,LNR,ACR,PDM).

Alva, A. K., Kerven, G. L., Edwards, D. G., and Asher, C. J. (1991). Reduction in Toxic Aluminum to Plants by Sulfate Complexation. *Soil Sci.* 152: 351-359.

EcoReference No.: 45923  
User Define 3: 06/01/04  
Chemical of Concern: Al  
Endpoint: GRO; Habitat: T; Rejection Code: No COC(MTL).

Anhalt, J. C., Arthur, E. L., Anderson, T. A., and Coats, J. R. (2000). Degradation of Atrazine, Metolachlor, and

Pendimethalin in Pesticide-Contaminated Soils: Effects of Aged Residues on Soil Respiration and Plant Survival. *J. Environ. Sci. Health Part B* 35: 417-38.

EcoReference No.: 73903

User Define 2: WASHT,CALFT

Chemical of Concern: MTL,ATZ,PDM

Endpoint: MOR; Habitat: T; Rejection Code: NO ENDPOINT.

Arnold, R. N., Gregory, E. J., and Smeal, D. (1988). Effects of Herbicides on Weeds in Field Corn Grown on Coarse-Textured Soils. *Appl. Agric. Res.* 3: 21-23.

EcoReference No.: 73778

User Define 2: WASH,CALF

Chemical of Concern: MTL,MTL,ACR,EPTC,CZE,24DXY,DMB,VRN

Endpoint: POP,PHY; Habitat: T; Rejection Code: NO ENDPOINT.

Arnold, R. N., Murray, M. W., Gregory, E. J., and Smeal, D. (1993). Weed Control in Pinto Beans (*Phaseolus vulgaris*) with Imazethapyr Combinations. *Weed Technol.* 7: 361-364.

EcoReference No.: 74060

User Define 2: WASH

Chemical of Concern: MTL,EPTC,TFN,PDM,IZT

Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Bedmar, F. (1990). Evaluation of Different Pre-emergence Herbicides in Sunflower. *Tests Agrochem. Cultiv.* 11: 62-63.

EcoReference No.: 73536

User Define 2: NEW CSC,WASH

Chemical of Concern: MTL,ACR

Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Behera, B., Singh, G. S., Pradhan, P. C., and Senapati, P. C. (1998). Weed Management in Runnerbean (*Phaseolus coccineus*) plus Maize (*Zea mays*) Intercropping Under Rainfed Conditions. *Indian J. Agric. Sci.* 68 : 697-698.

EcoReference No.: 73777

User Define 2: WASH

Chemical of Concern: MTL

Endpoint: POP,GRO; Habitat: T; Rejection Code: NO ENDPOINT.

Bennett, M. A. and Gorski, S. F. (1989). Response of Sweet Corn (*Zea mays*) Endosperm Mutants to Chloracetamide and Thiocarbamate Herbicides. *Weed Technol.* 3: 475-478.

EcoReference No.: 73789

User Define 2: WASH

Chemical of Concern: MTL,ACR,EPTC,BTY

Endpoint: GRO; Habitat: T; Rejection Code: NO CONTROL.

Benz, G., Abivardi, C., and Muckensturm, B. (1989). Antifeedant Activity of Bisabolangelone and Its Analogs Against Larvae of *Pieris brassicae*. *Entomol. Exp. Appl.* 53: 257-266.

EcoReference No.: 73909

User Define 2: WASHT

Chemical of Concern: MTL

Endpoint: BEH,MOR,GRO; Habitat: T; Rejection Code: NO COC(MTL).

Blumhorst, M. R., Weber, J. B., and Swain, L. R. (1990). Efficacy of Selected Herbicides as Influenced by Soil Properties. *Weed Technol.* 4: 279-283.

EcoReference No.: 74065

User Define 2: WASH

Chemical of Concern: MTL,CZE,ACR,ATZ,PDM

Endpoint: POP; Habitat: T; Rejection Code: NO ENDPOINT.

Boldt, L. D. and Barrett, M. (1989). Factors in Alachlor and Metolachlor Injury to Corn (*Zea mays*) Seedlings. *Weed Technol.* 3 : 303-306.

EcoReference No.: 73781

User Define 2: WASH

Chemical of Concern: MTL,ACR

Endpoint: POP,PHY; Habitat: T; Rejection Code: NO ENDPOINT,CONTROL.

Breaux, E. J., Patanella, J. E., and Sanders, E. F. (1987). Chloroacetanilide Herbicide Selectivity: Analysis of Glutathione and Homoglutathione in Tolerant, Susceptible, and Safened Seedlings. *J.Agric.Food Chem.* 35: 474-478.

EcoReference No.: 73733

Endpoint: BCM; Habitat: T; Rejection Code: NO COC (MTL).

Bryson, C. T. and Croom, E. M. Jr. (1991). Herbicide Inputs for a New Agronomic Crop, Annual Wormwood (*Artemisia annua*). *Weed Technol.* 5: 117-124.

EcoReference No.: 73802

User Define 2: WASH,CALF

Chemical of Concern: MTL,OYZ,NFZ,ACR,BT,ACF,FZF,TFN

Endpoint: GRO,PHY; Habitat: T; Rejection Code: NO MIXTURE(MTL),CONTROL.

Buhler, D. D. and Daniel, T. C. (1988). Influence of Tillage Systems on Giant Foxtail, *Setaria faberi* and Velvetleaf, *Abutilon theophrasti*, Density and Control in Corn, *Zea mays*. *Weed Sci.* 36: 642-647.

EcoReference No.: 74056

User Define 2: WASH

Chemical of Concern: MTL,ATZ,PDM,CZE

Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Bull, D. L. (1992). Target Site and Enzyme Changes Associated with Selection of Subcolonies of a Multiresistant House Fly Strain with Methyl Parathion or Permethrin. *Pestic.Biochem.Physiol.* 42: 211-226.

EcoReference No.: 73908

Chemical of Concern: MP,PMR

Endpoint: MOR,ACC; Habitat: T; Rejection Code: NO COC(MTL).

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EcoReference No.: 74039

User Define 2: WASHT

Endpoint: ACC,GRO,BEH; Habitat: T; Rejection Code: NO COC(MTL).

Chanda, S. and Chakravorty, S. (1998). Effect of Stress on Heart Beat and Post Embryonic Development in *Corcyra cephalonica* Larvae. *Indian J.Exp.Biol.* 36: 796-799.

EcoReference No.: 73834  
Endpoint: DVP,MOR; Habitat: T; Rejection Code: NO COC(MTL).

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EcoReference No.: 73428  
User Define 2: NEW CSC,WASH,CALF,CORE  
Chemical of Concern: 24DXY,PDM,GYP,ATZ,DU,NFZ  
Endpoint: GRO; Habitat: T; Rejection Code: NO COC(MTL).

Cottingham, C. K. and Hatzios, K. K. (1992). Basis of Differential Tolerance of Two Corn Hybrids (*Zea mays*) to Metolachlor. *Weed Sci.* 40: 359-363.

EcoReference No.: 73780  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: GRO,ACC,BCM; Habitat: T; Rejection Code: NO ENDPOINT.

Cottingham, C. K. and Hatzios, K. K. (1991). Influence of the Safener Benoxacor on the Metabolism of Metolachlor in Corn. *Z.Naturforsch.Sect.C* 46: 846-849.

EcoReference No.: 73784  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: BCM; Habitat: T; Rejection Code: NO ENDPOINT, CONTROL.

Cottingham, C. K., Hatzios, K. K., and Meredith, S. (1998). Influence of Chemical Treatments on Glutathione S-Transferases of Maize with Activity Towards Metolachlor and Cinnamic Acid. *Z.Naturforsch.Sect.C J.Biosci.* 53: 973-979.

EcoReference No.: 65258  
User Define 2: WASH,SENT  
User Define 3: 03/17/2004  
Chemical of Concern: MTL  
Endpoint: BCM; Habitat: T; Rejection Code: NO ENDPOINT.

Couderchet, M., Schmalfluss, J., and Boger, P. (1998). A Specific and Sensitive Assay to Quantify the Herbicidal Activity of Chloroacetamides. *Pestic.Sci.* 52: 381-387 .

EcoReference No.: 74055  
User Define 2: WASH  
Chemical of Concern: MTL,BTC,ACR,MBZ,DMM,24DXY,CPP,CSF,OXF,EPTC,ATC  
Endpoint: GRO,BCM; Habitat: A; Rejection Code: NO ENDPOINT.

Court de Billot, M. R. and Nel, P. C. (1977). Metolachlor Herbicide Injury to Waxy Maize As Affected by Temperature, Seed Size and Planting Depth. *Crop.Prod.* 6: 73-76.

EcoReference No.: 26546  
User Define 2: WASH,CALF,SENT  
User Define 3: 03/11/2004  
Chemical of Concern: MTL,ATZ  
Endpoint: GRO,POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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*J.Agric.Food Chem.* 41: 662-668.

EcoReference No.: 4165  
User Define 2: TITLE MED,WASH  
User Define 3: 05/27/04  
Chemical of Concern: MTL  
Endpoint: ACC; Habitat: A; Rejection Code: NO ENDPOINT.

Culpepper, A. S. and York, A. C. (1999). Weed Management in Glufosinate-Resistant Corn (*Zea mays*). *Weed Technol.* 13: 324-333.

EcoReference No.: 74064  
User Define 2: WASH  
Chemical of Concern: MTL,ATZ,AMTR,NSF,GFS  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Cummins, I., Moss, S., Cole, D. J., and Edwards, R. (1997). Glutathione Transferases in Herbicide-Resistant and Herbicide-Susceptible Black-Grass (*Alopecurus myosuroides*). *Pestic.Sci.* 51: 244-250.

EcoReference No.: 73957  
Chemical of Concern: MTL, FNPE  
Endpoint: BCM; Habitat: T; Rejection Code: NO ENDPOINT.

Davis, G. and Minton, R. (1982). Herbicide Efficacy and Phytotoxicity of Thirteen Selections from *Euonymus*, *Juniperus*, *Taxus*, *Thuja*, *Viburnum*, *Magnolia*, and *Ilex*. *Proc.SNA Res.Conf.* 27: 272-277.

EcoReference No.: 72443  
User Define 2: REPS,WASH,CALF,CORE,SENT  
User Define 3: 06/01/04  
Chemical of Concern: OXF,SZ,MTL,NPP  
Endpoint: MOR,POP; Habitat: T; Rejection Code: NO ENDPOINT,MIXTURE(SZ).

Davis, M. A., Jardine, D. J., and Todd, T. C. (1994). Selected Pre-emergent Herbicides and Soil pH Effect on Seedling Blight of Grain Sorghum. *J.Prod.Agric.* 7: 269-276.

EcoReference No.: 73920  
User Define 2: WASH  
Chemical of Concern: MTL,ATZ,ACR  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE (MTL).

Davis, P. M. and Coleman, S. (1997). Managing Corn Rootworms: (Coleoptera Chrysomelidae) on Dairy Farms: The Need for a Soil Insecticide. *J.Econ.Entomol.* 90: 205-217 .

EcoReference No.: 73930  
Chemical of Concern: CPY,TFT,TBO,ACR,ATZ,PDM,MTL,DMB,CZE  
Endpoint: POP,GRO; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Davison, K. L., Larsen, G. L., and Feil, V. J. (1994). Comparative Metabolism and Elimination of Acetanilide Compounds by Rat . *Xenobiotica* 24: 1003-1012.

EcoReference No.: 73271  
User Define 2: NEW CSC,WASHT  
Chemical of Concern: MTL,ACR,BTC,MXC  
Endpoint: ACC; Habitat: T; Rejection Code: NO ENDPOINT.

Dean, J. V., Gronwald, J. W., and Anderson, M. P. (1991). Glutathione-S-Transferase Activity in Nontreated and



CGA-154281-Treated Maize Shoots. *Z.Naturforsch.Sect.C* 46: 850-855.

EcoReference No.: 73904

User Define 2: WASH

Chemical of Concern: MTL,ATZ

Endpoint: BCM; Habitat: T; Rejection Code: NO ENDPOINT,CONTROL.

Dixon, D., Cole, D. J., and Edwards, R. (1997). Characterisation of Multiple Glutathione Transferases Containing the GST I Subunit with Activities Toward Herbicide Substrates in Maize (*Zea mays*). *Pestic.Sci.* 50: 72-82.

EcoReference No.: 73901

Chemical of Concern: ATZ,ACR,MTL

Endpoint: BCM; Habitat: T; Rejection Code: NO ENDPOINT,CONTROL.

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EcoReference No.: 73420

User Define 2: WASH,CALF

Chemical of Concern: ATZ,24DXY,ACR

Endpoint: BCM; Habitat: T; Rejection Code: NO COC(MTL).

Djurkic, M., Knezevic, M., and Ostojic, Z. (1997). Effect of Rimsulfuron Application on Weeds in Maize Inbred Lines in Croatia. *Cereal Res.Commun.* 25: 203-209.

EcoReference No.: 73941

Chemical of Concern: RIM,MTL,ATZ

Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Dowler, C. C., Dailey, O. D. Jr., and Mullinix, B. G. Jr. (1999). Polymeric Microcapsules of Alachlor and Metolachlor: Preparation and Evaluation of Controlled-Release Properties. *J.Agric.Food Chem.* 47: 2908-2913.

EcoReference No.: 73234

User Define 2: WASHT

Chemical of Concern: MTL,ACR

Endpoint: PHY; Habitat: T; Rejection Code: NO ENDPOINT.

Dreikorn, B. A., Jourdan, G. P., and Hall, H. R. (1991). Influence of Atropisomerism on the Fungicidal Activity of a Series of Thioalkylphenylalines. *In: D.R.Baker, J.G.Fenyas, and W.K.Moberg (Eds.), ACS (Am.Chem.Soc.), Chapter 26, Symp.Ser.No.443, Washington, D.C.* 575-588.

EcoReference No.: 74050

User Define 2: WASH

Chemical of Concern: MLX

Endpoint: POP; Habitat: T; Rejection Code: NO ENDPOINT,COC(MTL).

Duncan, R. R., Dominy, R. E., and Hardcastle, W. S. (1985). An Effective Technique for Safening Small Quantities of Sorghum Breeder Seed. *Cereal Res.Commun.* 13: 265-268.

EcoReference No.: 73533

User Define 2: NEW CSC,WASH

Chemical of Concern: MTL

Endpoint: POP; Habitat: T; Rejection Code: NO CONTROL.

Dzantor, E. K. and Felsot, A. S. (1991). Microbial Responses to Large Concentrations of Herbicides in Soil. *Environ.Toxicol.Chem.* 10: 649-656.

EcoReference No.: 73305

User Define 2: WASH

Chemical of Concern: MTL,ACR,TFN

Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE (MTL).

Edwards, R. and Owen, W. J. (1986). Comparison of Glutathione S-Tranferases of Zea mays Responsible for Herbicide Detoxification in Plants and Suspension-Cultured Cells. *Planta* 169: 208-215.

EcoReference No.: 74057

User Define 2: WASH

Chemical of Concern: MTL,ATZ

Endpoint: BCM,ACC; Habitat: T; Rejection Code: NO IN VITRO(MTL),ENDPOINT.

Ellgehausen, H., Guth, J. A., and Esser, H. O. (1980). Factors Determining the Bioaccumulation Potential of Pesticides in the Individual Compartments of Aquatic Food Chains. *Ecotoxicol.Environ.Saf.* 4: 134-157.

EcoReference No.: 6458

User Define 2: ECOTOX MED,WASH,CALF

User Define 3: 05/27/04

Chemical of Concern: 24DXY,ATZ,MTL

Endpoint: ACC; Habitat: A; Rejection Code: NO CONTROL.

Elmore, C. D., Heatherly, L. G., and Wesley, R. A. (1995). Weed Control in No-Till Doublecrop Soybean (Glycine max) Following Winter Wheat (Triticum aestivum) on a Clay Soil. *Weed Technol.* 9: 306-315.

EcoReference No.: 73741

User Define 2: WASH,CALF,CORE

Chemical of Concern: MTL,MBZ,DMM,BT,ACF,FZF,GYP,LCF

Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Endres, C. S. and Longer, D. E. (1987). Herbicide Selectivity Among Grain and Weedy Amaranthus Species. *Agron.J.* 79: 824-826.

EcoReference No.: 73267

User Define 2: WASH

Chemical of Concern: MTL,TFN,ACR,MBZ,BT

Endpoint: POP; Habitat: T; Rejection Code: NO ENDPOINT.

Eyherabide, J. J. (1992). Evaluation of Pre-emergence Applications of Fomesafen and Acetochlor Against Weeds in Soybeans. *Tests Agrochem.Cultiv.* 13: 56-57.

EcoReference No.: 73542

User Define 2: NEW CSC,WASH,CORE

Chemical of Concern: ACO,MTL,MBZ,DMM

Endpoint: PHY; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Fairchild, J. F., Ruessler, S. D., Nelson, M. K., and Carlson, A. R. (1994). An Aquatic Risk Assessment of Four Herbicides Using Six Species of Algae and Five Species of Aquatic Macrophytes. *Presented at the 1994 Meet.of the Soc.of Environ.Toxicol.Chem., Oct.30-Nov.3, 1994, Denver, CO* 8 p.

EcoReference No.: 61707

User Define 2: TITLE MED,WASH,CALF,CORE

User Define 3: 05/27/04

Chemical of Concern: ATZ,ACR,MTL,MBZ,DMM  
Endpoint: POP,GRO,SYS; Habitat: A; Rejection Code: NO CONTROL.

Farago, S. and Brunold, C. (1990). Regulation of Assimilatory Sulfate Reduction by Herbicide Safeners in Zea mays L. *Plant Physiol.(Bethesda)* 94: 1808-1812.

EcoReference No.: 73783  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: BCM; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 73543  
User Define 2: NEW CSC,WASH,CALF  
Chemical of Concern: MTL,ATZ  
Endpoint: GRO; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Fedtke, C. (1991). Mode of Action Studies with Mefenacet. *Pestic.Sci.* 33: 421-426 .

EcoReference No.: 73931  
User Define 2: WASH  
Chemical of Concern: MTL,GYP,SXD,HFP,PCP,ATZ,ACR,BTC,DU,CPP,BSF,PAQT  
Endpoint: GRO; Habitat: A; Rejection Code: NO CONTROL.

Fischer, D. C., Kogan, M., and Paxton, J. (1990). Deterreny of Mexican Bean Beetle (Coleoptera: Coccinellidae) Feeding by Free Phenolic Acids. *J.Entomol.Sci.* 25: 230-238.

EcoReference No.: 74041  
User Define 2: WASHT  
Endpoint: BEH; Habitat: T; Rejection Code: NO COC(MTL).

Forbes, T. L., Forbes, V. E., Giessing, A., Hansen, R., and Kure, L. K. (1998). Relative Role of Pore Water Versus Ingested Sediment in Bioavailability of Organic Contaminants in Marine Sediments. *Environ.Toxicol.Chem.* 17: 2453-2462.

EcoReference No.: 74288  
User Define 2: WASH  
Chemical of Concern: FA,PAH  
Endpoint: ACC; Habitat: A; Rejection Code: NO COC(MTL).

Foy, C. L. and Witt, H. L. (1990). Seed Protectants Safen Sorghum (Sorghum bicolor) Against Chloroacetamide Herbicide Injury. *Weed Technol.* 4: 886-891.

EcoReference No.: 74043  
User Define 2: WASH  
Chemical of Concern: MTL,ACR,PCH  
Endpoint: GRO,PHY,POP; Habitat: T; Rejection Code: NO ENDPOINT,CONTROL.

Frans, R., McClelland, M., Smith, C., and Jordan, D. (1993). Herbicide Trials on Field Crops, 1992. *Ark.Agric.Exp.Stn.Res.Ser.* 427: 1-63.

EcoReference No.: 73962  
User Define 2: WASH  
Chemical of Concern:

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

Garcia-Torres, L., Lopez-Granados, F., and Castejon-Munoz, M. (1994). Pre-emergence Herbicides for the Control of Broomrape (*Orobanche cernua* Loeff.) in Sunflower (*Helianthus annuus* L.). *Weed Res.* 34: 395-402.

EcoReference No.: 74066  
User Define 2: WASH  
Chemical of Concern: MTL,IZP,IMQ,PMS,TSF,ACO,IMB  
Endpoint: GRO,PHY,POP; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 74048  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: ACC; Habitat: T; Rejection Code: NO ENDPOINT.

Gerber, H. R., Muller, G., and Ebner, L. (1974). CGA 24705, a New Grasskiller Herbicide. *Proc.Br.Weed Control Conf.* 12: 787-794.

EcoReference No.: 40626  
User Define 2: WASH,SENT  
User Define 3: 04/13/2004  
Chemical of Concern: ACR,MTL  
Endpoint: GRO; Habitat: T; Rejection Code: NO ENDPOINT.

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  
User Define 2: WASH,CALF  
Chemical of Concern: PMS,PQT,ATZ,NSF,24DXY,DMB  
Endpoint: POP; Habitat: T; Rejection Code: NO COC(MTL),MIXTURE(24DXY).

Gols, G. J. Z., Van Loon, J. J. A., and Messchendorp, L. (1996). Antifeedant and Toxic Effects of Drimanes on Colorado Potato Beetle Larvae. *Entomol.Exp.Appl.* 79: 69-76.

EcoReference No.: 73907  
Endpoint: GRO,BEH; Habitat: T; Rejection Code: NO COC(MTL).

Gorski, S. F. (1993). Slow-Release Delivery System for Herbicides in Container-Grown Stock. *Weed Technol.* 7: 894-899.

EcoReference No.: 73942  
User Define 2: WASH  
Chemical of Concern: MTL,NPP  
Endpoint: POP; Habitat: T; Rejection Code: NO TOX DATA(MTL).

Govedarica, M. and Mrkovacki, N. (1993). Effect of Different Herbicides on the Frequency of Microorganisms Under Soybean. *Mikrobiologija (Zemun)* 30: 37-45.

EcoReference No.: 73244

User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: POP,GRO; Habitat: T; Rejection Code: NO ENDPOINT.

Griffin, J. L. and Harger, T. J. (1990). Red Rice (*Oryza sativa*) Control Options in Soybeans (*Glycine max*). *Weed Technol.* 4 : 35-38.

EcoReference No.: 74045  
User Define 2: WASH  
Chemical of Concern: MTL,BT,FZFP,ACR,SXD,HFP,MFD,FZF,QZF  
Endpoint: POP; Habitat: T; Rejection Code: NO CONTROL.

Hatton, P. J., Cole, D. J., and Edwards, R. (1996). Influence of Plant Age on Glutathione Levels and Glutathione Transferases Involved in Herbicide Detoxification in Corn (*Zea mays* L.) and Giant Foxtail (*Setaria faberi* Herrm). *Pestic.Biochem.Physiol.* 54: 199-209.

EcoReference No.: 73273  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,ATZ,ACR  
Endpoint: BCM,PHY; Habitat: T; Rejection Code: NO ENDPOINT.

Hatton, P. J., Dixon, D., Cole, D. J., and Edwards, R. (1996). Glutathione Transferase Activities and Herbicide Selectivity in Maize and Associated Weed Species. *Pestic.Sci.* 46: 267-275.

EcoReference No.: 73233  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,ATZ,ACR  
Endpoint: PHY; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 73776  
User Define 2: WASH,CALF  
Chemical of Concern:  
ACR,BT,DMB,DU,MTL,MBZ,DMM,PDM,ACF,BFL,24DXY,EPTC,FZFB,PCL,SXD,TFN,VNT,ATZ  
Endpoint: POP; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 74061  
User Define 2: WASH  
Chemical of Concern: MTL,GYP,ACF,LNR,MBZ,DMM,24DB,BT,PAQT,PDM  
Endpoint: POP; Habitat: T; Rejection Code: NO ENDPOINT,CONTROL.

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EcoReference No.: 73805  
User Define 2: WASH,CORE  
Chemical of Concern: MTL,CPR,PHMD,DMM,ATC  
Endpoint: GRO; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 73423

User Define 2: WASHT

Chemical of Concern: MTL

Endpoint: GRO,PHY,BCM; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 73262

User Define 2: WASHT

Chemical of Concern: MTL

Endpoint: GRO,ACC; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 73247

User Define 2: WASH,CALF

Chemical of Concern: MTL,ATZ,ACR

Endpoint: POP,PHY; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 73425

User Define 2: WASH

Chemical of Concern: MTL,ACR

Endpoint: POP; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 73965

User Define 2: WASH

Chemical of Concern: MTL,IMQ,DU

Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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User Define 2: WASH,CALF

Chemical of Concern: MTL,ATZ,ACR

Endpoint: GRO; Habitat: T; Rejection Code: NO ENDPOINT.

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User Define 2: WASHT,CALFT

Chemical of Concern: MTL,ACR,ATZ

Endpoint: GRO,BCM; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 73938  
Chemical of Concern: MTL,FTS,MBZ,TFN,CRM,IMQ  
Endpoint: POP; Habitat: T; Rejection Code: NO CONTROL.

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EcoReference No.: 73274  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: BCM; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 73739  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,ACR,ATZ,NFZ,CMZ,FMU,IMQ,IZT,TFN  
Endpoint: GRO,ACC; Habitat: T; Rejection Code: NO ENDPOINT (MTL).

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EcoReference No.: 64677  
User Define 2: WASH,CALF,CORE,SENT  
User Define 3: 03/03/2004  
Chemical of Concern: ATZ, MTL,GYP  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE (MTL).

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EcoReference No.: 25020  
User Define 2: WASH,CALF,SENT  
User Define 3: 03/11/2004  
Chemical of Concern: ATZ, MTL  
Endpoint: POP; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 64728  
User Define 2: WASH,SENT  
User Define 3: 03/03/2004  
Chemical of Concern: MTL  
Endpoint: ACC; Habitat: T; Rejection Code: NO CONTROL(MTL).

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EcoReference No.: 74044  
User Define 2: WASH

Chemical of Concern: MTL,ACR  
Endpoint: PHY; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 73782  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,AMTL,24DXY,AMTR  
Endpoint: BCM; Habitat: T; Rejection Code: NO ENDPOINT.

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User Define 2: NEW CSC,WASH,CALF  
Chemical of Concern: MTL,ATZ; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 74063  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: BCM,ACC; Habitat: T; Rejection Code: NO ENDPOINT,CONTROL.

Kurtz, W. L. and Stroube, E. W. (1975). Control of Yellow Nutsedge by Various Herbicides. *P Nc Wd C C* 30: 59.

EcoReference No.: 40622  
User Define 2: MED,WASH  
User Define 3: 05/27/04  
Chemical of Concern: BT,MTL  
Endpoint: MOR; Habitat: T; Rejection Code: NO ENDPOINT.

Lanie, A. J., Griffin, J. L., Reynolds, D. B., and Vidrine, P. R. (1993). Influence of Residual Herbicides on Rate of Paraquat and Glyphosate in Stale Seedbed Soybean (*Glycine max*). *Weed Technol.* 7: 960-965.

EcoReference No.: 74059  
User Define 2: WASH,CALF,CORE  
Chemical of Concern: MTL,PAQT,GYP,CRM,IMQ,MBZ,DMM  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 73796  
User Define 2: WASH,CALF  
Chemical of Concern: FZFB,ATZ,MTL,IZT,PDM,BT,ACF  
Endpoint: POP,GRO; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 74290  
User Define 2: WASH  
Chemical of Concern: PAH  
Endpoint: ACC; Habitat: A; Rejection Code: NO COC(MTL).



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EcoReference No.: 73785

Chemical of Concern: MLX

Endpoint: PHY; Habitat: T; Rejection Code: NO COC (MTL).

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EcoReference No.: 73411

Chemical of Concern: CRME,ACR,ATZ

Endpoint: BCM; Habitat: T; Rejection Code: NO COC(MTL),ENDPOINT.

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EcoReference No.: 31447

User Define 2: WASH

Chemical of Concern: MTL,GYP,ACR,MBZ,DMM; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 74289

User Define 2: WASH

Chemical of Concern: Hg

Endpoint: ACC; Habitat: A; Rejection Code: NO COC(MTL),CONTROL,ENDPOINT.

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EcoReference No.: 73538

User Define 2: NEW CSC,WASH

Chemical of Concern: MTL,PMT

Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 73985

User Define 2: WASH

Chemical of Concern: MTL,PPN,SXD,BT,ODZ,PAQT

Endpoint: POP; Habitat: T; Rejection Code: NO CONTROL.

Mueller-Warrant, G. W., Young III, W. C., and Mellbye, M. E. (1994). Influence of Residue Removal Method and Herbicides on Perennial Ryegrass Seed Production: II. Crop Tolerance. *Agron.J.* 86: 684-690.

EcoReference No.: 73260

User Define 2: WASH,CALF

Chemical of Concern: MTL,TFN,OXF,PDM,DU

Endpoint: POP; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 73988  
User Define 2: WASH  
Chemical of Concern: MTL,OXF,PDM,TFN,DU,MBZ,DMM,TBC  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 73544  
User Define 2: NEW CSC,WASH,CALF  
Chemical of Concern: MTL,ATZ  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 74062  
User Define 2: WASH  
Chemical of Concern: MTL,MBZ,EPTC,DMM,PDM  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 73539  
User Define 2: NEW CSC,WASH,CALF  
Chemical of Concern: MTL,ATZ,ACR  
Endpoint: BCM; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 66670  
User Define 2: WASH,SENT  
User Define 3: 03/03/2004  
Chemical of Concern: MTL  
Endpoint: BCM,GRO; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 73240  
User Define 2: WASH  
Chemical of Concern: MTL,ACR  
Endpoint: GRO,POP,PHY; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 73370  
User Define 2: WASH  
Chemical of Concern: MTL,ACR  
Endpoint: POP,GRO; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 73306  
User Define 2: WASH  
Chemical of Concern: MTL,ACR  
Endpoint: GRO,PHY; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 73535  
User Define 2: NEW CSC,CORE  
Chemical of Concern: CYP  
Endpoint: POP,MOR,BEH; Habitat: T; Rejection Code: NO COC (MTL).

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EcoReference No.: 344  
User Define 2: REPS,WASH,CALF,CORE,SENT  
Chemical of Concern:  
24DXY,ACL,ACP,ACR,ATZ,AZ,BDF,BMC,BML,BMN,BS,BT,Captan,CBF,CBL,CFE,CFE,CLNB,CMP  
H,CPC,CPY,CTN,CTZ,CYD,CYF,CYP,CYT,DBN,DCNA,DFT,DFZ,DM,DMB,DMM,DMP,DMT,DPC,  
DPDP,DS,DU,DZ,DZM,EFL,EFS,EFV,EP,FHX,FMP,FO,Folpet,FPP,FVL,GYP,HCCH,HXZ,IPD,IZP,LN  
R,MB,MBZ,MDT,MFX,MFZ,MGK,MLN,MLT,MOM,MP,MTC,MTL,MTM,NAA,Naled,NFZ,NPP,NTP,  
OXF,OXT,OYZ,PDM,PEB,PHMD,PMR,PMT,PNB,PPB,PPG,PPMH,PQT,PRB,PRT,PSM,PYN,SMM,S  
MT,SS,SXD,SZ,TBC,TDC,TDZ,TET,TFN,TFR,TMT,TPR,TRB,WFN,ZnP  
Endpoint: MOR,POP,PHY,GRO,REP; Habitat: AT; Rejection Code: NO EFED (344).

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EcoReference No.: 73248  
User Define 2: WASH,CORE  
Chemical of Concern: MTL,CBF,PRT  
Endpoint: PHY,POP,GRO; Habitat: T; Rejection Code: LITE EVAL CODED(CBF),NO MIXTURE(MTL).

Omokaro, D. N. and Ajakaiye, C. O. (1995). Direct Contact Effects of Pendimethalin and Metolachlor on the Anatomy of Cowpea (*Vigna unguiculata*). *Niger.J.Bot.* 8: 17-24.

EcoReference No.: 74049  
User Define 2: WASH  
Chemical of Concern: MTL,PDM  
Endpoint: GRO; Habitat: T; Rejection Code: NO ENDPOINT.

Oros, G. and Komives, T. (1991). Effects of Phenylamide Pesticides on the GSH-Conjugation System of *Phytophthora* spp. Fungi. *Z.Naturforsch.Sect.C* 46: 866-874.

EcoReference No.: 73932  
User Define 2: WASH  
Chemical of Concern: MTL,ACO,BTC,PCH,MLX  
Endpoint: BCM; Habitat: T; Rejection Code: NO CONTROL(MTL).

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and Chironomus riparius. *Environ.Pollut.* 119: 195-202.

EcoReference No.: 65836; Habitat: A; Rejection Code: NO COC(MTL).

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EcoReference No.: 7269

User Define 2: TITLE MED,WASH,CALF

User Define 3: 05/27/04

Chemical of Concern: ATZ,MTL

Endpoint: GRO; Habitat: A; Rejection Code: NO ABSTRACT.

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EcoReference No.: 40624

User Define 2: TITLE MED,WASH,CALF,CORE

User Define 3: 05/27/04

Chemical of Concern: OYZ,MBZ,DMM,ACR,MTL

Endpoint: MOR,GRO,PHY,POP,CEL ; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 74325

User Define 2: WASHT

Endpoint: BEH,DVP; Habitat: T; Rejection Code: NO COC(MTL).

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EcoReference No.: 74046

User Define 2: WASH

Chemical of Concern: MTL,PHMD,DDP

Endpoint: GRO; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 73532

User Define 2: NEW CSC,WASH

Chemical of Concern: MTL

Endpoint: ACC; Habitat: T; Rejection Code: NO CONTROL.

Prasad, K., Quayum, A., and Rafey, A. (1995). Weed Control in Cropping Sequence Based on Single and Mixed Crops. *Indian J.Agric.Sci.* 65: 562-565.

EcoReference No.: 73797

User Define 2: WASH

Chemical of Concern: MTL,PDM

Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 53347  
User Define 2: WASH,CALF,SENT  
Chemical of Concern: ACR,ATZ,MTL  
Endpoint: ACC; Habitat: T; Rejection Code: NO ENDPOINT.

Rabaey, T. L., Harvey, R. G., and Albright, J. W. (1996). Herbicide Timing and Combination Strategies for Woolly Cupgrass Control in Corn. *J.Prod.Agric.* 9: 381-384.

EcoReference No.: 73921  
User Define 2: WASH  
Chemical of Concern: MTL,PMD,EPTC,ACR,NSF,IZT,DMM,CZE  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE (MTL).

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EcoReference No.: 74040  
User Define 2: WASHT  
Chemical of Concern: AZD  
Endpoint: MOR,POP; Habitat: AT; Rejection Code: NO COC(MTL).

Regehr, D. L. and Janssen, K. A. (1989). Preplant Weed Control in a Ridge-Till Soybean (*Glycine max*) and Grain Sorghum (*Sorghum bicolor*) Rotation. *Weed Technol.* 3: 621-626.

EcoReference No.: 73906  
User Define 2: WASH  
Chemical of Concern: MTL,DMM,MBZ,PDM,CZE,GYP,ATZ  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 73989  
User Define 2: WASH  
Chemical of Concern: MTL,ACF,BT,CMZ,EPTC,IZT,PMD  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 73967  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: GRO; Habitat: T; Rejection Code: NO ENDPOINT.

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  
User Define 2: WASH  
Chemical of Concern: MTL,PAQT,BT,ACF,PDM  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE (MTL).

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EcoReference No.: 74047

User Define 2: WASH

Chemical of Concern: MTL,OYZ,ACR,CZE,LNR,PAQT

Endpoint: POP; Habitat: T; Rejection Code: NO ENDPOINT,CONTROL.

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EcoReference No.: 73530

User Define 2: WASH,CALF,CORE

Chemical of Concern: CYP,MTL; Habitat: T; Rejection Code: NO MIXTURE (MTL).

Rotteveel, A. J. W. and Naber, H. (1994). Spot-Treatments for Yellow Nutsedge (*Cyperus esculentus*) Control. *Meded.Fac.Landouww.Univ.Gent* 59: 1261-1264.

EcoReference No.: 73415

User Define 2: WASH,CALF,CORE

Chemical of Concern: MTL,GYP

Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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EcoReference No.: 73413

User Define 2: WASH

Endpoint: POP; Habitat: T; Rejection Code: NO COC (MTL).

Sanyal, D. and Kulshrestha, G. (2002). Metabolism of Metolachlor by Fungal Cultures. *J.Agric.Food Chem.* 50: 499-505.

EcoReference No.: 73534

User Define 2: NEW CSC,WASH

Chemical of Concern: MTL

Endpoint: ACC; Habitat: T; Rejection Code: NO ENDPOINT.

Sayed, F. A., Mohamed, S. G., and Abd Elaleem, F. F. (1990). Growth and Nitrogen Metabolism of *Rhizoctonia solani* as Affected by Some Herbicides and a Fungicide. *Egypt.J.Microbiol.* 25: 269-276.

EcoReference No.: 73360

User Define 2: WASH

Chemical of Concern: MTL

Endpoint: PHY,POP; Habitat: T; Rejection Code: NO ENDPOINT.

Schmid, W., Mbamba, H. A., Njau, S. S., and Likango, J. D. (1996). Efficacy of Herbicides for Weed Control in Conventional and Minimum Tillage Soybeans in Zambia. *Toegep.Plantwet.* 10: 16-20.

EcoReference No.: 73975

User Define 2: WASH

Chemical of Concern: MTL,MBZ,FZFB,FSF,ODZ,IZT,ACF,BT,FNP

Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Schuh, J. F. and Harvey, R. G. (1991). Carbamothioate and Chloroacetamide Herbicides for Woolly Cupgrass (*Eriochloa villosa*) Control in Corn (*Zea mays*). *Weed Technol.* 5: 331-336.

EcoReference No.: 74054  
User Define 2: WASH  
Chemical of Concern: MTL,ACO,CZE,EPTC,ACR,BTY,CYC,PMD  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Scott, R. C., Shaw, D. R., O'Neal, W. B., and Klingaman, T. D. (1998). Spray Adjuvant, Formulation and Environmental Effects on Synergism from Post-Applied Tank Mixtures of SAN 582H with Fluazifop-P, Imazethapyr, and Sethoxydim. *Weed Technol.* 12: 463-469.

EcoReference No.: 73996  
Chemical of Concern: IZT,FZFP,ACO,MTL,SXD  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Selleck, G. W. and Sanok, W. J. (1979). Evaluation of Herbicides for Echinochloa Crusgalli Weed Control in Cabbage. *Proc.Northeast.Weed Sci.Soc.* 33: 158-160.

EcoReference No.: 41399  
User Define 2: WASH,CALF,MED,SENT  
User Define 3: 05/27/04  
Chemical of Concern: OYZ,ACR,MTL  
Endpoint: MOR; Habitat: T; Rejection Code: NO ENDPOINT.

Seymour, R. C., Campbell, J. B., and Wright, R. J. (1997). Effect of Sulfonylurea Herbicides on Field Corn Following an Application of Granular Insecticide at Insecticide at Planting, 1995. *In: C.R.Saxena (Ed.), Arthropod Management Tests, Volume 22, Entomol.Soc.of Am., Lanham, MD* 226.

EcoReference No.: 74042  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: GRO,PHY; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Singh, S. B., Yaduraju, N. T., and Kulshrestha, G. (1997). Residues of Metolachlor Herbicide in Soil and Potato Tubers Under Indian Tropical Conditions. *Bull.Environ.Contam.Toxicol.* 59: 216-221.

EcoReference No.: 54266  
User Define 2: WASH,SENT  
User Define 3: 03/03/2004  
Chemical of Concern: MTL  
Endpoint: ACC; Habitat: T; Rejection Code: NO ENDPOINT.

Smart, J. R. and Coleman, R. J. (1998). Kenaf Response to Herbicides in the Rio Grande Valley. *Subtrop.Plant Sci.* 50: 49-53.

EcoReference No.: 73927  
User Define 2: WASH  
Chemical of Concern: MTL,TFN,PDM,MSMA,FZFP  
Endpoint: POP; Habitat: T; Rejection Code: NO ENDPOINT(MTL).

Smith, E. M. and Treaster, S. A. (1987). An Evaluation of Cyanazine, Terbacil and Metolachlor Slow-Release Herbicide Tablets on Woody Landscape Crops. *Ohio Agric.Res.Dev.Res.Circ.* 291: 15-16.

EcoReference No.: 73416  
User Define 2: WASHT  
Chemical of Concern: MTL,TRB  
Endpoint: POP; Habitat: T; Rejection Code: NO ENDPOINT.

Svobodova, Z. and Vykusova, B. (1988). Comparing the Sensitivity of Rainbow Trout and Rasbora heteromorpha to Various Toxic Substances. *Bul.Vyzk.Ustav Ryb.Hydrobiol.Vodnany* 24: 14-19 (CZE) (ENG ABS).

EcoReference No.: 315  
User Define 2: ECOTOX MED,WASH,CALF  
User Define 3: 05/27/04  
Chemical of Concern: ATZ,MTL  
Endpoint: MOR; Habitat: A; Rejection Code: NO FOREIGN.

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

EcoReference No.: 73237  
User Define 2: WASH,CALF,CORE  
Chemical of Concern: PYN,ATZ,MTL  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE (MTL).

Tamilselvan, C. and Sundararajan, R. (1994). Terminal Residues of Metolachlor in Groundnut (*Arachis hypogaea*), Soybean (*Glycine max*) and Onion (*Allium cepa*). *Indian J.Agric.Sci.* 64: 495-497.

EcoReference No.: 73900  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: ACC; Habitat: T; Rejection Code: NO ENDPOINT.

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  
User Define 2: WASH  
Chemical of Concern: ATZ,PAQT,MTL  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Tevini, M. and Steinmuller, D. (1987). Influence of Light, UV-B Radiation, and Herbicides on Wax Biosynthesis of Cucumber Seedlings. *J.Plant Physiol.* 131: 111-122.

EcoReference No.: 73902  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: BCM; Habitat: T; Rejection Code: NO ENDPOINT.

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EcoReference No.: 72692  
User Define 2: REPS,WASH,CALF,CORE,SENT  
User Define 3: 06/01/04  
Chemical of Concern: SZ,ACR,MTL,PDM,ATZ,EFS,MBZ,LNR,DU  
Endpoint: POP; Habitat: T; Rejection Code: NO ENDPOINT.

Van Rensburg, E. and Van Dyk, L. P. (1986). The Persistence in Soil and Phytotoxicity on Dry Beans of Alachlor and Metolachlor as Affected by Climatic Factors. *S.Afr.J.Plant Soil* 3: 95-98.

EcoReference No.: 73772



User Define 2: WASH  
Chemical of Concern: MTL,ACR  
Endpoint: GRO,MOR,ACC; Habitat: T; Rejection Code: NO ENDPOINT,CONTROL.

Vykusova, B. and Svobodova, Z. (1987). Comparison of the Sensitivity of Male and Female Guppies (*Poecilia reticulata* Peters) to Toxic Substances. *Bul.Vyzk.Ustav Ryb.Hydrobiol.Vodnany* 23: 20-23 (CZE) (ENG ABS).

EcoReference No.: 312  
User Define 2: ECOTOX MED,WASH,CALF  
User Define 3: 05/27/04  
Chemical of Concern: ATZ,MTL  
Endpoint: MOR; Habitat: A; Rejection Code: NO FOREIGN.

Walton, J. D. and Casida, J. E. (1995). Specific Binding of a Dichloroacetamide Herbicide Safener in Maize at a Site that also Binds Thiocarbamate and Chloroacetanilide Herbicides. *Plant Physiol.* 109: 213-219.

Chemical of Concern: MLT,ATZ,MTL,ACR,ACO,EPTC,PCH,PEB,TBC; Habitat: T; Rejection Code: NO IN VITRO.

Weeks, J. M. and Rainbow, P. S. (Interspecific Comparisons of Relative Assimilation Efficiencies for Zinc and Cadmium in an Ecological Series of Talitrid Amphipods (Crustacea). *Oecologia (Heidelberg)* 97: 228-235.

EcoReference No.: 74365  
User Define 2: WASH  
Chemical of Concern: Zn,Cu  
Endpoint: PHY; Habitat: A; Rejection Code: NO COC(MTL).

Wehtje, G., Wilcut, J. W., Hicks, T. V., and McGuire, J. (1988). Relative Tolerance of Peanuts to Alachlor and Metolachlor. *Peanut Sci.* 15: 53-56.

EcoReference No.: 73235  
User Define 2: WASHT  
Chemical of Concern: MTL,ACR  
Endpoint: POP,PHY; Habitat: T; Rejection Code: NO ENDPOINT.

Wicks, G. A. (1985). Early Application of Herbicides for No-Till Sorghum (*Sorghum bicolor*) in Wheat (*Triticum aestivum*) Stubble. *Weed Sci.* 33: 713-716.

EcoReference No.: 72068  
User Define 2: WASH,CALF,CORE,SENT  
Chemical of Concern: MTL,GYP  
Endpoint: PHY,POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Wicks, G. A., Crutchfield, D. A., and Burnside, O. C. (1994). Influence of Wheat (*Triticum aestivum*) Straw Mulch and Metolachlor on Corn (*Zea mays*) Growth and Yield. *Weed Sci.* 42: 141-147.

EcoReference No.: 74052  
User Define 2: WASH  
Chemical of Concern: MTL  
Endpoint: POP,GRO; Habitat: T; Rejection Code: NO ENDPOINT.

Wicks, G. A., Felton, W. L., Murison, R. D., Hanson, G. E., and Nash, P. G. (1998). Efficiency of an Optically Controlled Sprayer for Controlling Weeds in Fallow. *Weed Technol.* 12: 638-645.

EcoReference No.: 73940

Chemical of Concern: ATZ,GYP  
Endpoint: POP; Habitat: T; Rejection Code: NO COC(MTL).

Wicks, G. A., Mahnken, G. W., and Hanson, G. E. (1996). Weed Control in Ecofallow Corn (*Zea mays*) with Clomazone. *Weed Technol.* 10: 495-501.

EcoReference No.: 73779  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,ATZ,CMZ,DMB,GYP,PAQT  
Endpoint: POP,GRO; Habitat: T; Rejection Code: NO ENDPOINT,CONTROL.

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  
User Define 2: WASH  
Chemical of Concern: ATZ,PYD,GYP,24DXY,PAQT,LNR,BT,DMB,BMN  
Endpoint: POP,PHY; Habitat: T; Rejection Code: NO COC(MTL),OK(24DXY).

Wieczorek, P., Miliszkiwicz, D., Lejczak, B., Soroka, M., and Kafarski, P. (1994). Plant-Growth-Regulating N-(Phosphonoacetyl)Amines. *Pestic.Sci.* 40: 57-62.

EcoReference No.: 74053  
User Define 2: WASH  
Endpoint: GRO; Habitat: T; Rejection Code: NO COC(MTL).

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  
User Define 2: WASH  
Chemical of Concern: MTL,ACR,IZT,LCF,PAQT,PYD  
Endpoint: POP,PHY; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Wilcut, J. W., Walls, F. R. Jr., and Horton, D. N. (1991). Imazethapyr for Broadleaf Weed Control in Peanuts (*Arachis hypogaea*). *Peanut Sci.* 18: 26-30.

EcoReference No.: 73239  
User Define 2: WASH,CALF  
Chemical of Concern: MTL,IZP  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Wilcut, J. W., Walls, F. R. Jr., and Horton, D. N. (1991). Weed Control, Yield, and Net Returns Using Imazethapyr in Peanuts (*Arachis hypogaea* L.). *Weed Sci.* 39: 238-242.

EcoReference No.: 73740  
User Define 2: WASH  
Chemical of Concern: MTL,IZT  
Endpoint: POP; Habitat: T; Rejection Code: NO MIXTURE(MTL).

Wilkinson, R. D. and Duncan, R. R. (1993). Calcium ( $45\text{Ca}^{2+}$ ) Uptake in GP-10 Sorghum Root Tips as Influenced by Hydrogen Ion ( $\text{H}^+$ ) Concentration and Hours of Exposure to  $\text{H}^+$ -ATPase Inhibitors. *J.Plant Nutr.* 16: 643-652.

EcoReference No.: 74058  
User Define 2: WASH

Endpoint: BCM,PHY; Habitat: T; Rejection Code: NO COC(MTL).

Wilson, H. P., Hines, T. E., Hatzios, K. K., and Doub, J. P. (1988). Efficacy Comparisons of Alachlor and Metolachlor Formulations in the Field. *Weed Technol.* 2: 24-27.

EcoReference No.: 73791

User Define 2: WASH,CALF

Chemical of Concern: MTL,ACR,LNR,ATZ

Endpoint: GRO; Habitat: T; Rejection Code: NO MIXTURE(MTL).

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

User Define 2: WASH

Chemical of Concern: MTL,HFP,HFPM,BT,DMP,DFPM,ACR,PAQT,CSF

Endpoint: CEL; Habitat: T; Rejection Code: NO ENDPOINT,CONTROL.

Wu, J., Omokawa, H., and Hatzios, K. K. (1996). Glutathione S-Transferase Activity in Unsafened and Fenclorim-Safened Rice (*Oryza sativa*). *Pestic.Biochem.Physiol.* 54: 220-229.

EcoReference No.: 73412

Chemical of Concern: AQUA

Endpoint: BCM,GRO; Habitat: T; Rejection Code: NO COC(MTL).

Yenne, S. P. and Hatzios, K. K. (1990). Influence of Oxime Ether Safeners on Glutathione Content and Glutathione-Related Enzyme Activity in Seeds and Seedlings of Grain Sorghum. *Z.Naturforsch.Sect.C* 45: 96-106.

EcoReference No.: 73905

User Define 2: WASH

Chemical of Concern: MTL

Endpoint: BCM; Habitat: T; Rejection Code: NO ENDPOINT.

Yenne, S. P., Hatzios, K. K., and Meredith, S. A. (1990). Uptake, Translocation, and Metabolism of Oxabtrinin and CGA-133205 in Grain Sorghum (*Sorghum bicolor*) and Their Influence on Metolachlor Metabolism. *J.Agric.Food Chem.* 38: 1957-1961.

EcoReference No.: 73303

User Define 2: WASHT

Chemical of Concern: MTL

Endpoint: ACC ; Habitat: T; Rejection Code: NO ENDPOINT.

Zama, P. and Hatzios, K. K. (1986). Effects of CGA-92194 on the Chemical Reactivity of Metolachlor with Glutathione and Metabolism of Metolachlor in Grain Sorghum (*Sorghum bicolor*). *Weed Sci.* 34: 834-841.

EcoReference No.: 31029

User Define 2: WASH,SENT

User Define 3: 05/12/2004

Chemical of Concern: MTL

Endpoint: ACC; Habitat: T; Rejection Code: NO CONTROL, ENDPOINT.

Zsoldos, F., Vashegyi, A., Bona, L., Pecsvaradi, A., and Szegletes, Z. (1999). Aluminium and Nitrite Induced Alteration in Potassium Transport of Wheat. *Cereal Res.Commun.* 27: 147-153.

EcoReference No.: 55954

User Define 3: 06/01/04

Chemical of Concern: Al  
Endpoint: BCM; Habitat: T; Rejection Code: NO COC(MTL).

Metolachlor Updates (9/2004-8/2006)  
Papers that Were Accepted for ECOTOX

**Accepted for ECOTOX and OPP**

Berthold, A. and Jakl, T. (2002). Soil Ciliate Bioassay for the Pore Water Habitat - A Missing Link between Microflora and Earthworm Testing in Soil Toxicity Assessment. *J. Soils Sediments* 2: 179-193.

EcoReference No.: 83711

Chemical of Concern: CdCl,MTL,ATZ,K2CrO7; Habitat: T; Effect Codes: POP,MOR; Rejection Code: LITE EVAL CODED(MTL),OK(ALL CHEMS).

Dalton, S. R., Miller, R. T., and Meyer, S. A. (2003). The Herbicide Metolachlor Induces Liver Cytochrome P450s 2B1/2 and 3A1/2, but not Thyroxine-Uridine Dinucleotide Phosphate Glucuronosyltransferase and Associated Thyroid Gland Activity. *Int.J.Toxicol.* 22: 287-295.

EcoReference No.: 84161

Chemical of Concern: MTL; Habitat: T; Effect Codes: BEH,GRO,BCM,CEL; Rejection Code: LITE EVAL CODED(MTL),OK(ALL CHEMS).

Das, N., Pattnaik, A. K., Senapati, A. K., and Dash, D. K. (1997). Management of Rhizosphere Nematode Population by Different Weed Control Practices in Mustard (*Brassica juncea* L.). *Environ.Ecol.* 15: 154-156.

EcoReference No.: 40177

Chemical of Concern: ANL,PDM,OXF,ACR,TBC,MTL; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),OK(ALL CHEMS).

Davidse, L. C., Gerritsma, O. C. M., and Velthuis, G. C. M. (1984). A Differential Basis of Antifungal Activity of Acylalanine Fungicides and Structurally Related Chloroacetanilide Herbicides in *Phytophthora megasperma* f. sp. *medicaginis*. *Pestic.Biochem.Physiol.* 21: 301-308.

EcoReference No.: 80193

Chemical of Concern: ACR,MTL,PCH,MLX; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: LITE EVAL CODED(MTL),OK(ALL CHEMS).

Day, K. E. (1993). Short-Term Effects of Herbicides on Primary Productivity of Periphyton in Lotic Environments. *Ecotoxicology* 2: 123-138.

EcoReference No.: 13325

Chemical of Concern: ATZ,HXZ,MTL,TET; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(MTL,ATZ),OK(ALL CHEMS).

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: SZ,ATZ,ACR,CZE,GYP,LNR,MTL,MBZ,24D; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(MTL,ATZ,SZ),OK(ALL CHEMS).

Foster, S., Thomas, M., and Korth, W. (1998). Laboratory-Derived Acute Toxicity of Selected Pesticides to

Ceriodaphnia dubia. *Aust.J.Ecotoxicol.* 4: 53-59.

EcoReference No.: 67777

Chemical of Concern: SZ,ATZ,CPY,MTL,TBC,MLT,MLN,BSF,BMC,DU; Habitat: A; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(MTL,ATZ,SZ),OK(ALL CHEMS).

Greenlee, A. R., Ellis, T. M., and Berg, R. L. (2004). Low-Dose Agrochemicals and Lawn-Care Pesticides Induce Developmental Toxicity in Murine Preimplantation Embryos. *Environ.Health Perspect.* 112: 703-709.

EcoReference No.: 82041

Chemical of Concern: ATZ,CPY,DMB,MTL,DEAC,PDM,MCPP1,TBO,PMR,CTN,MZB,NHN; Habitat: T; Effect Codes: GRO,CEL; Rejection Code: LITE EVAL CODED(MTL,MCPP1,ATZ),OK(ALL CHEMS).

Grisolia, C. K. and Ferrari, I. (1997). In Vitro and In Vivo Studies Demonstrate Non-mutagenicity of the Herbicide Metolachlor. *Braz.J.Gen.* 20: 411-414.

EcoReference No.: 73422

Chemical of Concern: MTL; Habitat: T; Effect Codes: CEL; Rejection Code: LITE EVAL CODED(MTL),OK(ALL CHEMS).

Gucciardo, L. S. (1999). The Use of Anuran Larvae to Determine Chronic and Acute Toxicological Effects from Exposure to Atrazine and Metolachlor. *Ph.D.Thesis, Iowa State Univ., Ames, IA* 164 p.

EcoReference No.: 78286

Chemical of Concern: MTL,ATZ; Habitat: A; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(MTL,ATZ),OK(ALL CHEMS).

Liu, H., Ye, W., Zhan, X., and Liu, W. (2006). A Comparative Study of Rac- and S-Metolachlor Toxicity to *Daphnia magna*. *Ecotoxicol.Environ.Saf.* 63: 451-455.

EcoReference No.: 83887

Chemical of Concern: MTC; Habitat: A; Effect Codes: REP,GRO,MOR; Rejection Code: LITE EVAL CODED(MTC),OK(ALL CHEMS).

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

EcoReference No.: 83543

Chemical of Concern:

CLT,DFP,FNP,FZF,HFP,QZF,BSFM,BP,CRME,EMSF,FTS,MTSM,NSF,ACO,BTC,MTL,AMTR,ATZ,BMN,CMZ,DU,PAQT,PMT,FXP,MCPA,ZNC,PDM,TFN,GFS,GYP,SZ; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL,SZ),OK(ALL CHEMS).

Mohamed, O. S. A., Ahmed, K. E., Adam, S. E. I., and Idris, O. F. (1994). Experimental Metolachlor Toxicosis in Nubian Goats in the Sudan. *Rev.Elev.Med.Vet.Pays Trop.* 47: 315-318.

EcoReference No.: 73928

Chemical of Concern: MTL; Habitat: T; Effect Codes: PHY,BCM,MOR; Rejection Code: LITE EVAL CODED(MTL),OK(ALL CHEMS).

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

EcoReference No.: 81754

Chemical of Concern: ATZ,TFN,PDM,MTL,PMT,PAQT,FMU,DU,SZ; Habitat: A; Effect Codes: MOR;

Rejection Code: LITE EVAL CODED(MTL,SZ,ATZ),OK(ALL CHEMS).

Pillai, C. G. P. and Davis, D. E. (1975). Mode of Action of Cga-18762, Cga-17020, and Cga-24705. *P So Wd S S* 28: 308-314.

EcoReference No.: 41594

Chemical of Concern: MTL,CZE; Habitat: AT; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),OK(ALL CHEMS).

Roshon, R. D. (1997). A Toxicity Test for the Effects of Chemicals on the Non-target Submersed Aquatic Macrophyte, *Myriophyllum sibiricum* Komarov. *Ph.D.Thesis, Univ.of Guelph, Canada* 464 p.

EcoReference No.: 74985

Chemical of Concern: MTL,PL,ZnCl<sub>2</sub>,TPR,24DXY,ATZ,DQTBr,FDE,GYP,HXZ; Habitat: A; Effect Codes: GRO,BCM,CEL; Rejection Code: LITE EVAL CODED(MTL,ATZ).

Samsøe-Petersen, L. (1995). Effects of 67 Herbicides and Plant Growth Regulators on the Rove Beetle *Aleochara bilineata* (Col.: Staphylinidae) in the Laboratory. *Entomophaga* 40: 95-104.

EcoReference No.: 63490

Chemical of Concern:

SZ,ATZ,DU,HFP,MCPP1,PYD,FXP,BT,MTL,PDM,CBL,MTSM,AMTL,CQTC,DPP1; Habitat: T; Effect Codes: MOR,REP,GRO; Rejection Code: LITE EVAL CODED(MTL,SZ,ATZ,CQTC),NO MIXTURE(MCPP1,DPP1).

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: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),OK(TFN,ACR,PAQT),NO MIXTURE(MFD,BT).

### Accepted for ECOTOX but not OPP

Batterton, J., Winters, K., and C.VanBaalen (1978). Anilines: Selective Toxicity to Blue-Green Algae. *Science* 199: 1068-1070.

EcoReference No.: 7217

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

Castro-Faria-Neto, H. C., Martins, M. A., Bozza, P. T., Perez, S., Correa-Da-Silva, A., Lima, M., Cruz, H. N., Cordeiro, R., Sousa, M. V., and Morhy, L. (1991). Pro-inflammatory Activity of Enterolobin: A Haemolytic Protein Purified from Seeds of the Brazilian Tree *Enterolobium contortisiliquum*. *Toxicon* 29: 1143-1150.

EcoReference No.: 84215; Habitat: T; Effect Codes: PHY; Rejection Code: NO COC(MTL).

Couderchet, M., Schmalfluss, J., and Boger, P. (1998). A Specific and Sensitive Assay to Quantify the Herbicidal Activity of Chloroacetamides. *Pestic.Sci.* 52: 381-387 .

EcoReference No.: 74055

Chemical of Concern: MTL,BTC,ACR,MBZ,DMM,24DXY,CPP,CSF,OXF,EPTC,ATC; Habitat: A; Effect Codes: GRO,BCM; Rejection Code: NO ENDPOINT(ALL CHEMS).

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EcoReference No.: 4165

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

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EcoReference No.: 73271

Chemical of Concern: MTL,ACR,BTC,MXC,PCH; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(ALL CHEMS).

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EcoReference No.: 6458

Chemical of Concern: 24DXY,ATZ,MTL; Habitat: A; Effect Codes: ACC; Rejection Code: NO CONTROL(ALL CHEMS).

Fairchild, J. F., Ruessler, S. D., Nelson, M. K., and Carlson, A. R. (1994). An Aquatic Risk Assessment of Four Herbicides Using Six Species of Algae and Five Species of Aquatic Macrophytes. *Presented at the 1994 Meet. of the Soc. of Environ. Toxicol. Chem., Oct.30-Nov.3, 1994, Denver, CO* 8 p.

EcoReference No.: 61707

Chemical of Concern: ATZ,ACR,MTL,MBZ,DMM; Habitat: A; Effect Codes: POP,GRO,SYS; Rejection Code: NO CONTROL(ALL CHEMS).

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EcoReference No.: 67053

Chemical of Concern: MTC; Habitat: T; Effect Codes: GRO,POP,PHY; Rejection Code: OK TARGET(MTC).

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EcoReference No.: 40629

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

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EcoReference No.: 40622

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

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EcoReference No.: 84013; Habitat: T; Effect Codes: BCM; Rejection Code: NO COC(MTL).

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EcoReference No.: 44115

Chemical of Concern: DMM,MBZ,SXD,MTL; Habitat: T; Effect Codes: GRO,MOR,PHY,POP; Rejection Code: NO MIXTURE(SXD,MTL).

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EcoReference No.: 84020

Chemical of Concern: EMMB; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(EMMB),NO COC(MTL).

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EcoReference No.: 344

Chemical of Concern:

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EcoReference No.: 7269

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

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EcoReference No.: 40624

Chemical of Concern: OYZ,MBZ,DMM,ACR,MTL; Habitat: T; Effect Codes: MOR,GRO,PHY,POP,CEL; Rejection Code: NO ENDPOINT(ALL CHEMS).

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EcoReference No.: 84014; Habitat: T; Effect Codes: CEL; Rejection Code: NO ENDPOINT(ALL CHEMS),NO COC(MTL).

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EcoReference No.: 41399  
Chemical of Concern: OYZ,ACR,MTL; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT(ALL CHEMS).

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EcoReference No.: 84212; Habitat: T; Effect Codes: BCM,CEL,MOR; Rejection Code: NO COC(MTL).

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

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

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EcoReference No.: 315  
Chemical of Concern: ATZ,MTL,Zn; Habitat: A; Effect Codes: MOR; Rejection Code: NO FOREIGN.

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EcoReference No.: 312

Chemical of Concern: ATZ,MTL,Cd; Habitat: A; Effect Codes: MOR; Rejection Code: NO FOREIGN.

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EcoReference No.: 84017; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT(ALL CHEMS),NO COC(MTL).