

Explanation of OPP Acceptability Criteria and Rejection Codes for ECOTOX Data

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

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

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

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

Acceptable for Ecotox and OPP Acceptable for Ecotox and OPP

Ahmad, M. and Vyas, S. C. (1997). Control of dry Rot and Leaf Blight of Sesame by Herbicides. *J.Mycol.Plant Pathol.* 27: 222-224.

EcoReference No.: 98117

Chemical of Concern: ACF,BT,TBC,ODZ,OXF,PDM; Habitat: T; Effect Codes: REP,POP,MOR; Rejection Code: LITE EVAL CODED(OXF,PDM).

Ahmad, M. M., Sahar, L., Nasir, F., and Minhas, R. (2000). Pesticide-Induced Changes in Secretory Activity of the Thyroid Gland in Rats. *Pak.J.Zool.* 32: 333-336.

EcoReference No.: 77497

Chemical of Concern: FNV,PDM,MP,FPP,CYP,EFV; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: LITE EVAL CODED(MP,PDM),OK(FPP),NO CONC(CYP,FNV).

Ahmed, M. and Vyas, S. C. (1997). Effect of Herbicides on Soil- and Seed-Borne Nature of Fungi. *J.Mycol.Plant Pathol.* 27: 191-194.

EcoReference No.: 98116

Chemical of Concern: OXF,ODZ,TBC,BT,ACF,PDM; Habitat: T; Effect Codes: REP,POP; Rejection Code: LITE EVAL CODED(OXF,PDM).

Armson, A., Kamau, S. W., Grimm, F., Reynoldson, J. A., Best, W. M., MacDonald, L. M., and Thompson, R. C. (1999). A Comparison of the Effects of a Benzimidazole and the Dinitroanilines Against Leishmania infantum. *Acta Trop.* 73: 303-311.

EcoReference No.: 104651

Chemical of Concern: OYZ,TFN,PDM,BFL; Habitat: T; Effect Codes: BCM,POP; Rejection Code: LITE EVAL CODED(PDM),OK(OYZ,TFN).

Arrowood, M. J., Mead, J. R., Xie, L. T., and You, X. (1996). In Vitro Anticryptosporidial Activity of Dinitroaniline Herbicides. *FEMS Microbiol.Lett.* 136: 245-249.

EcoReference No.: 104391

Chemical of Concern: TFN,PDM; Habitat: T; Effect Codes: GRO,MOR; Rejection Code: LITE EVAL CODED(PDM),OK(TFN).

Belden, J. B., Phillips, T. A., Clark, B. W., and Coats, J. R. (2005). Toxicity of Pendimethalin to Nontarget Soil Organisms. *Bull.Environ.Contam.Toxicol.* 74: 769-776.

EcoReference No.: 79503

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

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

EcoReference No.: 97548

Chemical of Concern: PDM,ACF,ACR,GFS,GYP,PAQT; Habitat: T; Effect Codes: GRO,POP;

Rejection Code: LITE EVAL CODED(GYP,GFS,PDM).

Cedergreen, N., Andersen, L., Olesen, C. F., Spliid, H. H., and Streibig, J. C. (2005). Does the Effect of Herbicide Pulse Exposure on Aquatic Plants Depend on Kow or Mode of Action? *Aquat.Toxicol.* 71: 261-271.

EcoReference No.: 80954

Chemical of Concern: DQT,IZX,MTSM,PZM,PDM; Habitat: A; Effect Codes: GRO,MOR,ACC;

Rejection Code: LITE EVAL CODED(PZM,PDM).

Cedergreen, N. and Streibig, J. C. (2005). The Toxicity of Herbicides to Non-Target Aquatic Plants and Algae: Assessment of Predictive Factors and Hazard. *Pest Manag.Sci.* 61: 1152-1160.

EcoReference No.: 88207

Chemical of Concern: PDM,MST,DQTBr,MCPA,MCP1,GYPI,TSF,MTSM,TBZ,BT; Habitat: A;

Effect Codes: GRO; Rejection Code: LITE EVAL CODED(GYPI,PDM),OK(MCP1).

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: MTL,ACR,PDM,TBC,OXF; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(OXF,MTL,PDM),OK(ACR,TBC).

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

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

Dimitrov, B. D., Gadeva, P. G., Benova, D. K., and Bineva, M. V. (2006). Comparative Genotoxicity of the Herbicides Roundup, Stomp and Reglone in Plant and Mammalian Test Systems. *Mutagenesis* 21: 375-382.

EcoReference No.: 97687

Chemical of Concern: PDM,GYPI,DQTBr; Habitat: T; Effect Codes: CEL; Rejection Code: LITE EVAL CODED(GYPI,PDM).

Gebel, T., Kevekordes, S., Pay, K., Edenharder, R., and Dunkelberg, H. (1997). In Vivo Genotoxicity of Selected Herbicides in the Mouse Bone-Marrow Micronucleus Test. *Arch.Toxicol.* 71: 193-197.

EcoReference No.: 100768

Chemical of Concern: TBZ,PDM,ACR,ATZ,GFSNH,TFN; Habitat: T; Effect Codes: CEL,MOR; Rejection Code: LITE EVAL CODED(GFSNH,ATZ,ACR,TFN,PDM,TBZ).

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: CPY,DMB,PMR,MZB,24D,MCP1,DDT,ATZ,MTL,PDM,TBO,CTN,NHN; Habitat: T; Effect Codes: GRO,CEL; Rejection Code: LITE EVAL CODED(CTN,MZB,MTL,MCP1,ATZ,CPY,24D,TBO,PDM),OK(DMB,PMR),NO COC(DEAC).

Grossmann, K., Berghaus, R., and Retzlaff, G. (1992). Heterotrophic Plant Cell Suspension Cultures for Monitoring Biological Activity in Agrochemical Research. Comparison with Screens Using Algae, Germinating Seeds

and Whole Plants. *Pestic.Sci.* 35: 283-289.

EcoReference No.: 78497

Chemical of Concern:

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

Gustavson, K., Mohlenberg, F., and Schluter, L. (2003). Effects of Exposure Duration of Herbicides on Natural Stream Periphyton Communities and Recovery. *Arch.Environ.Contam.Toxicol.* 45: 48-58.

EcoReference No.: 71668

Chemical of Concern: HXZ,MBZ,PDM; Habitat: A; Effect Codes: BCM,POP; Rejection Code: LITE EVAL CODED(HXZ,PDM),OK(MBZ).

Harikrishnan, R. and Yang, X. B. (2002). Effects of Herbicides on Root Rot and Damping-Off Caused by *Rhizoctonia solani* in Glyphosate-Tolerant Soybean. *Plant Dis.* 86: 1369-1373.

EcoReference No.: 97138

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

Juhasz, E., Szabo, R., Keseru, M., Budai, P., and Varnagy, L. (2006). Toxicity of a Pendimethalin Containing Herbicide Formulation and Three Heavy Metals in Chicken Embryos. *Comm.Appl.Biol.Sci.* 71: 107-110.

EcoReference No.: 104663

Chemical of Concern: PDM,CuS,CdS,PbAC; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(PDM),NO MIXTURE(CuS).

Kikuchi, M. (1993). Toxicity Evaluation of Selected Pesticides Used in Golf Links by Algal Growth Inhibition Test. *J.Jpn.Soc.Water Environ.* 16: 704-710 (JPN) (ENG ABS).

EcoReference No.: 2478

Chemical of Concern: DZ,TCF,FNT,Captan,FTL,CTN,PDM,BS,MCPPI,NPP,BSO; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(CTN,BS,Captan,BSO,DZ,FTL,TCF,FNT,PDM).

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

EcoReference No.: 65945

Chemical of Concern:

DFP,QZF,FNP,HFP,FZF,NSF,TN,EMSF,BP,ANL,PDM,BTC,MLT,AMTR,PMT,DU,PAQT,FXP,QNC,ATZ,SZ,MCPA,GYP,OXF,QZFE; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(QZFE,OXF,GYP,FNP,ATZ,MLT,SZ,QNC,DU,PDM,PMT).

Ma, J., Liang, W., Xu, L., Wang, S., Wei, Y., and Lu, J. (2001). Acute Toxicity of 33 Herbicides to the Green Alga *Chlorella pyrenoidosa*. *Bull.Environ.Contam.Toxicol.* 66: 536-541.

EcoReference No.: 61983

Chemical of Concern:

DFP,FZF,QZP,HFP,FNP,MLT,BP,TN,EMSF,NSF,BTC,PAQT,AMTR,DU,ANL,MCPA,FXP,QNC,OXF,GYP,SZ,ATZ,PDM,PMT; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(OXF,GYP,FNP,ATZ,MLT,SZ,QNC,DU,PDM,PMT).

Ma, J., Lin, F., Wang, S., and Xu, L. (2004). Acute Toxicity Assessment of 20 Herbicides to the Green Alga

Scenedesmus quadricauda (Turp.) Breb. *Bull.Environ.Contam.Toxicol.* 72: 1164-1171.

EcoReference No.: 101396

Chemical of Concern:

TFN,PDM,ANL,BP,FTS,EMSF,DZP,QZF,HFP,FZFP,CLT,NSF,MTSM,TN,BSFM,CRME; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(TFN,PDM,ANL,BP,FTS,EMSF,DZP,QZF,HFP,FZFP,CLT,NSF,MTSM,TN,BSFM,CRME).

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

EcoReference No.: 65938

Chemical of Concern:

DFP,QZF,HFP,FNP,FZF,CLT,NSF,TN,EMSF,BSFM,CRME,FTS,BP,ANL,TFN,PDM,BTC,MTL,MLT,A CO,ATZ,SZ,CZE,DU,PAQT,BMN,FXP,QNC,OXF,GYP,GFSNH,PMT; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(GFSNH,OXF,GYP,FNP,ATZ,MLT,MTL,SZ,QNC,FTS,CLT,DU,PDM,PMT).

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

EcoReference No.: 81754

Chemical of Concern: TFN,PDM,MTL,SZ,PMT,PAQT,FMU,DU,ATZ; Habitat: A; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MTL,SZ,ATZ,DU,PAQT,PMT,TFN,PDM).

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

EcoReference No.: 71507

Chemical of Concern: CMZ,TBC,PDM,PPN,QNC,TPR,MLT,HSF,BSFM,24DXY,PPN; Habitat: A; Effect Codes: SYS,POP; Rejection Code: OK(CMZ,TBC,PDM,PPN,QNC,TPR,MLT,24DXY).

Prakash, P., Nanjappa, H. V., and Ramachandrapa, B. K. (1995). Chemical Weed Control in Direct Seeded Puddled Rice (*Oryza sativa* (L.)). *Crop Res.* 9: 197-202.

EcoReference No.: 98119

Chemical of Concern: BTC,PDM,OXF; Habitat: AT; Effect Codes: PHY,POP; Rejection Code: LITE EVAL CODED(OXF,PDM).

Rojickova-Padrtova, R. and Marsalek, B. (1999). Selection and Sensitivity Comparisons of Algal Species for Toxicity Testing. *Chemosphere* 38: 3329-3338.

EcoReference No.: 19852

Chemical of Concern: ATZ,OXF,PDM,CuS,Zn,Cr,ZnS; Habitat: A; Effect Codes: POP; Rejection Code: LITE EVAL CODED(OXF,ATZ,CuS,ZnS,PDM).

Savithri, K. E., Pillai, M. R. C., and Tomy, P. J. (1994). Efficiency of Pre-emergence Herbicides in Transplanted Rice. *J.Trop.Agric.* 32: 27-29.

EcoReference No.: 98541

Chemical of Concern: PDM,BTC,ANL,TBC,OXF,24DXYEE; Habitat: A; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(OXF,PDM),OK(24DXYEE).

Shabana, E. F., Battah, M. G., Kobbia, I. A., and Eladel, H. M. (2001). Effect of Pendimethalin on Growth and Photosynthetic Activity of *Protosiphon botryoides* in Different Nutrient States. *Ecotoxicol.Environ.Saf.* 49: 106-110.

EcoReference No.: 62243

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

Singh, S., Yadav, J. P. S., Tripathi, N. N., and Kumar, R. (2003). Effect of Insecticides and Herbicides on Root Rot of Cotton Caused by *Rhizoctonia solani* Kuhn. *Ann.Biol.* 19: 179-181.

EcoReference No.: 81980

Chemical of Concern: ES,IMC,PDM,TFN,CPY; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(CPY,IMC,PDM,TFN),NO COC(ES) .

Sugha, S. K. and Singh, B. M. (1987). Effect of Herbicides on the Exudation of Sugar, Amino Acids and the Severity of Glume Blight of Rice. *Pesticides* 21: 46-48.

EcoReference No.: 98114

Chemical of Concern: OXF,TBC,BTC,PDM; Habitat: T; Effect Codes: BCM,POP; Rejection Code: LITE EVAL CODED(OXF.PDM).

Tu, J. C. and Hamill, A. S. (1986). Differential Effect of Two Groups of Herbicides, Dinitroaniline and Phenoxy, on Pea Root Rot. *Proc.Br.Crop Prot.Conf.- Pests and Diseases* 3: 1049-1053.

EcoReference No.: 77521

Chemical of Concern: MCPB,MCPA,TFN,PDM,OYZ,PMT,CN; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(PMT,TFN,OYZ,PDM),OK(CN),NO MIXTURE(MCPA,MCPB).

Turgut, C. (2007). The Impact of Pesticides Toward Parrotfeather when Applied at the Predicted Environmental Concentration. *Chemosphere* 66: 469-473.

EcoReference No.: 105140

Chemical of Concern: PYD,RIM,24D,GYP,MP,DMB,TFN,PCZ,PDM; Habitat: A; Effect Codes: GRO,BCM; Rejection Code: LITE EVAL CODED(PDM),OK(PCZ,TFN,DMB,MP,GYP,24D).

Wilcox, W. F. (1996). Influence of Dinitroaniline Herbicides on Growth, Sporulation, and Infectivity of Four *Phytophthora* spp. Pathogenic to Deciduous Fruit Trees. *Phytopathology* 86: 906-913.

EcoReference No.: 94266

Chemical of Concern: OYZ,PDM; Habitat: T; Effect Codes: POP,REP,BEH; Rejection Code: LITE EVAL CODED(OYZ,PDM).

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

EcoReference No.: 96666

Chemical of Concern:

PEB,DCF,EPTC,OXF,PAQT,CLT,TFN,NPM,PDM,AMTR,PRM,NPP,MBZ,IZT,IPD,VCZ,BMY,DMT,MLN,CYR,LNR,DU,BS,GYPI,MTL,SXD,DCPA,IZP,SZ,ATZ,Maneb,MZB,CuOH,CTN,FSTL; Habitat: T; Effect Codes: MOR,REP; Rejection Code: LITE EVAL CODED(LNR,GYPI,OXF,EPTC,CLT,DU,DCPA,ATZ,DMT,MLN,PAQT,PDM,DCF),TARGET(FSTL,CN,CuOH,MZB,Maneb,BMY),OK(SZ,IZP,SXD,MTL,BS,CYR).

Acceptable for Ecotox but not for OPP

Adcock, T. E., Banks, P. A., and Bridges, D. C. (1990). Effects of Preemergence Herbicides on Soybean (*Glycine max*): Weed Competition. *Weed Sci.* 38: 108-112.

EcoReference No.: 44173

Chemical of Concern: DMM,ACR,MBZ,PDM; Habitat: T; Effect Codes: GRO; Rejection Code: NO ENDPOINT,NO CONTROL(PDM).

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

EcoReference No.: 73541

Chemical of Concern: MTL,PDM,ACR,LNR,PHTH; Habitat: T; Effect Codes: POP,GRO; Rejection Code: NO MIXTURE(ACR,PDM),TARGET(MTL,LNR,ACR).

Anderson, R. L., Lyon, D. J., and Tanaka, D. L. (1996). Weed Management Strategies for Conservation-Tillage Sunflower (*Helianthus annuus*). *Weed Technol.* 10: 55-59.

EcoReference No.: 90191

Chemical of Concern: TFN,EFL,PDM; Habitat: T; Effect Codes: POP; Rejection Code: NO COC(CTN),NO CONTROL(TFN,EFL,PDM).

Anhalt, J. C., Arthur, E. L., Anderson, T. A., and Coats, J. R. (2000). Degradation of Atrazine, Metolachlor, and Pendimethalin in Pesticide-Contaminated Soils: Effects of Aged Residues on Soil Respiration and Plant Survival. *J.Environ.Sci.Health Part B* 35: 417-38.

EcoReference No.: 73903

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

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

Chemical of Concern: MTL,EPTC,TFN,PDM,IZT; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE,TARGET(MTL),TARGET(EPTC,PDM).

Bauske, E. M. and Kirby, H. W. (1992). Effects of Dinitroaniline Herbicides, Carboxin-Pentachloronitrobenzene Seed Treatment, and Rhizoctonia Disease on Soybean. *Plant Dis.* 76: 236-239.

EcoReference No.: 70400

Chemical of Concern: PNB,CBX,PDM; Habitat: T; Rejection Code: NO MIXTURE,TARGET(PDM).

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

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

Buchanan, G. A., Hauser, E. W., and Street, J. (1978). Response of Peanuts to Dinitroaniline Herbicides. *Proc.South.Weed Sci.Soc.* 31: 105-114.

EcoReference No.: 41393

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

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

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

Clay, D. V. and West, T. M. (1987). The Response of Traizine Resistant and Susceptible Biotypes of *Erigeron canadensis* to 23 Herbicides. *Meded.Fac.Landbouwk.Rijksuniv.Gent* 52: 1195-1206.

EcoReference No.: 70179

Chemical of Concern:

SZ,PHMD,GYP,AMTL,24DXY,TPR,OYZ,CPR,PCH,DU,NPP,OXF,NFZ,ODZ,PDM,PAQT,PYD,IZP,FX P; Habitat: T; Effect Codes: PHY,GRO; Rejection Code: NO ENDPOINT(ALL CHEMS),TARGET(IZP,OYZ,GYP,OXF,NFZ,DU,24DXY,PDM).

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; Habitat: T; Effect Codes: POP,GRO; Rejection Code: NO MIXTURE(MTL,CPY,DMB,TBO,ATZ),TARGET(PDM).

Dest, W. M., Peters, R. A., and Barrett, M. (1976). The Control of Crabgrass and Redroot Pigweed in Silage Corn. *Proc.Northeast.Weed Sci.Soc.* 30: 55-58.

EcoReference No.: 40803

Chemical of Concern: ATZ,ACR,PDM,24DXY,EPTC,BTY,CZE; Habitat: T; Effect Codes: POP; Rejection Code: OK(CZE),NO MIXTURE(BTY,EPTC,24DXY,ACR),NO ENDPOINT,NO CONTROL(ATZ,PDM).

Egunjobi, O. A. and Adegoke, J. O. (1990). Effects of Some Pre-Emergence Herbicides on the Root-Knot Disease of Cowpea. *Discov.Innov.* 2: 80-83.

EcoReference No.: 104947

Chemical of Concern: PDM; Habitat: T; Effect Codes: PHY,POP,GRO; Rejection Code: NO MIXTURE(PDM).

Frans, R., Corbin, B., Johnson, D., and McClelland, M. (1987). Herbicide Field Evaluation Trials on Field Crops, 1986. *Ark.Agric.Exp.Stn.,Res.Ser.354, Univ.of Ark, Fayetteville, AK* 92 p.

EcoReference No.: 31036

Chemical of Concern:

ACF,ACR,ATZ,BFL,BT,BMN,CRM,CLT,CZE,DMB,DU,EFL,FNP,FZF,PQT,FMU,FSF,HFP,IMQ,IZT,L CF,LNR,MTZ,MTL,NPM,NFZ,OXF,PDM,IMQ,PMT,QZF,TFN,24D,24DB,SXD; Habitat: T; Effect Codes: POP,PHY; Rejection Code: NO ENDPOINT(EFFICACY-ATZ,DMB,DU,FNP,FSF,LCF,LNR,MTL,OXF,24D,SXD),TARGET(CLT,NFZ,ACR,PMT,PDM,PQT).

Frans, R. E., McClelland, M., and Terhune, E. (1980). Herbicide Field Trials on Field Crops, 1979. *Mimeogr.Ser.280, Ark.Agric.Exp.Stn., Univ.of Arkansas, Fayetteville, AR* 66 p.

EcoReference No.: 96750

Chemical of Concern:

ACR,ACO,MFD,NPM,BMN,PQT,PMT,DU,CZE,TFN,PDM,NFZ,OYZ,FMU,MTL,BMN,BT,ACF,MTZ,GYP,LNR,VNT,BBZ,OXF,BTY,24D,DMB,PPZ,ATZ,PCH; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT, EFFICACY(MFD,DU,NFZ,OYZ,MTL,GYP,LNR,OXF,24D,ATZ),TARGET(ACO,ACR,BTY,PMT,PDM,PQT).

Garber, N. and Cotty, P. J. (2006). Timing of Herbicide Applications may Influence Efficacy of Aflatoxin Biocontrol. *Proc.Beltwide Cotton Conf.*: 1-6.

EcoReference No.: 98217

Chemical of Concern: BMN,PMT,PDM,PAQT,OXF,DU,GYPI; Habitat: T; Effect Codes: REP,POP; Rejection Code: NO ENDPOINT(ALL CHEMS).

Garrett, H. J. and Orson, J. H. (1989). Depth and Date of Emergence Volunteer Oilseed Rape (*Brassica napus* L.) and Its Control with Herbicides Used in Peas, Beans, Potatoes and Sugar Beet. In: *Br.Crop Prot.Counc., Crop Protection Conference: Weeds, Volumes 1-3, Nov.20-23, 1989, Br.Crop Prot.Counc., Surrey, England* 811-816.

EcoReference No.: 70640

Chemical of Concern: SZ,PHMD,MBZ,LNR,PDM,BT,CZE,MCPA,MCPB; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(PHMD),OK(BT,MBZ),NO ENDPOINT(SZ,PDM,CZE,MCPA),TARGET-MCPB,LNR).

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

Chemical of Concern: ACR,LNR,MTL,PDM,PMT,DU,DCPA; Habitat: T; Effect Codes: GRO,REP; Rejection Code: LITE EVAL CODED(MTL),NO ENDPOINT,NO CONTROL(LNR,DU,DCPA,PDM,PMT).

Greenfield, A. J. (1989). Weed Control Under Plastic Crop Covers. *Br.Crop Prot.Conf.-Weeds* 735-743.

EcoReference No.: 80391

Chemical of Concern: DZM,PMT,LNR,DCPA,PDM; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(ALL CHEMS),TARGET(LNR,DCPA,PMT,PDM).

Hammerton, J. L. (1974). Weed Control Work in Progress at the University of the West Indies Part 4. *PANS (Pest.Artic.News Summ.)* 20: 429-436.

EcoReference No.: 40607

Chemical of Concern: ATZ,ACR,BT,PDM,CPP,BTY,ODZ,CNR,PMT,TFN,SZ; Habitat: T; Effect Codes: PHY,POP; Rejection Code: NO ENDPOINT,NO CONTROL(ATZ,PDM).

Hatfield, H. H., Warholc, D. T., and Sweet, R. D. (1978). Dinitroaniline Toxicity of Galinsoga, Ragweed and Several Crops. *Proc.Northeast.Weed Sci.Soc.* 32: 141-150.

EcoReference No.: 41425

Chemical of Concern: OYZ,LNR,PDM,DU; Habitat: T; Effect Codes: MOR,GRO,PHY; Rejection Code: NO ENDPOINT,NO CONTROL(LNR,OYZ,DU,PDM).

Hawton, D., Johnson, I. D. G., Loch, D. S., Harvey, G. L., Marley, J. M. T., Hazard, W. H. L., Bibo, J., and Walker, S. R. (1990). A Guide to the Susceptibility of Some Tropical Crop and Pasture Weeds and the Tolerance of Some Crop Legumes to Several Herbicides. *Trop.Pest Manag.* 36: 147-150.

EcoReference No.: 73776

Chemical of Concern:

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

Heatherly, L. G., Elmore, C. D., and Spurlock, S. R. (1994). Effect of Irrigation and Weed Control Treatment on Yield and Net Return from Soybean (Glycine max). *Weed Technol.* 8: 69-76.

EcoReference No.: 74061

Chemical of Concern: MTL,GYP,ACF,LNR,MBZ,DMM,24DB,BT,PAQT,PDM; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT,CONTROL,TARGET(MTL,GYP,LNR,PDM).

Helms, R. S., Guy, C. B., Black, H. L., Fox, W. T., and Grove, J. A. (1994). Weed Management Studies in Stale-Seeded Rice Production. *Ark.Agric.Exp.Stn.Res.Ser.* 449: 20-25.

EcoReference No.: 100557

Chemical of Concern: PAQT,GYP,QNC,TBC,PDM,PPN,24D; Habitat: T; Effect Codes: PHY,GRO,POP; Rejection Code: NO MIXTURE(QNC),TARGET(24D,GYP,PDM,PPN).

Helms, R. S., Guy, C. B., Black, H. L., Grove, J. A., and Fox, W. T. (1995). Weed Management in Rice. *Ark.Agric.Exp.Stn.Res.Ser.* 446: 47-51.

EcoReference No.: 100551

Chemical of Concern: PAQT,QNC,TBC,PDM,PPN; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(QNC),TARGET(PDM,PPN).

Ilnicki, R. D. and Michieka, R. W. (1977). Penoxalin Alone and in Combination with Atrazine, Cyanazine, and Rh 5205 for Weed Control in Corn. *Proc.Northeast.Weed Sci.Soc.* 31: 6-10.

EcoReference No.: 40870

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

Isensee, A. R. and Dubey, P. S. (1983). Distribution of Pendimethalin in an Aquatic Microecosystem. *Bull.EnvIRON.Contam.Toxicol.* 30: 239-244.

EcoReference No.: 11893

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

Jadeja, R. G. and Patel, V. A. (1991). Physiological Studies and Effect of Herbicides on Macrophomina Phaseolina (Tassi.) Goid., Causing Ashy Stem Blight of Lima Bean. *Agric.Sci.Dig.* 11: 145-147.

EcoReference No.: 104942

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

Jensen, P. K. (1992). Split Application of Herbicides in Peas. *Weed Res.* 32: 295-302.

EcoReference No.: 75994

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

Jordan, D. L., Miller, D. K., and Crawford, S. H. (1998). Barnyardgrass (Echinochloa crus-galli) Control in dry-Seeded Rice (Oryza sativa) with Soil-Applied and Postemergence Herbicide Programs. *Weed Technol.* 12: 69-73.

EcoReference No.: 74976

Chemical of Concern: MLT,PDM,QNC,TBC,PPN; Habitat: T; Rejection Code: NO MIXTURE(MLT),TARGET(QNC,PDM,PPN).

Kawahigashi, H., Hirose, S., Ohkawa, H., and Ohkawa, Y. (2005). Evaluation of Herbicide Metabolism in Transgenic Rice Plants Expressing CYP1A1 and CYP2B6. *ACS Symp.Ser.* 892: 18-27.

EcoReference No.: 101418

Chemical of Concern: TFN,PDM,ACO,QZFE,CPP,DU,NFZ,ACR,MTL; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT(MTL),NO DURATION(TFN,PDM,ACO,QZFE,CPP,DU,NFZ,ACR).

Kikuchi, M., Miyagaki, T., and Wakabayashi, M. (1996). Evaluation of Pesticides Used in Golf Links by Acute Toxicity Test on Rainbow Trout. *Bull.Jpn.Soc.Sci.Fish.(Nippon Suisan Gakkaishi)* 62: 414-419 (JPN) (ENG ABS).

EcoReference No.: 18916

Chemical of Concern: CPY,BFL,BS,Captan,IFP,PDM,FTL,TCF,FNT,DZ,CTN,MCPPI,BSO; Habitat: A; Effect Codes: MOR; Rejection Code: NO CONTROL(CPY,BS,Captan,BSO,DZ,FTL,TCF,FNT,PDM).

Lawal, A. O. (1998). Effect of Herbicides on Growth and dry-Matter Yield of Grass Legume Mixed Swards. *Indian J.Agric.Sci.* 68: 323-325.

EcoReference No.: 73796

Chemical of Concern: FZFB,ATZ,MTL,IZT,PDM,BT,ACF; Habitat: T; Effect Codes: POP,GRO; Rejection Code: NO MIXTURE(MTL,ATZ,TARGET-MTL),TARGET(PDM).

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

EcoReference No.: 76104

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

McNevin, G. R. and Harvey, R. G. (1982). Wild Proso Millet (*Panicum miliaceum*) Control in Processing Peas (*Pisum sativum*) and Soybeans (*Glycine max*). *Weed Sci.* 30: 365-368.

EcoReference No.: 41283

Chemical of Concern: OYZ,ACR,MTL,DFP,EFL,LNR,MCPB,MBZ,DMM,PDM,TFN,PCH ; Habitat: T; Effect Codes: MOR; Rejection Code: LITE EVAL CODED(MTL),TARGET(LNR,MCPB),NO ENDPOINT(OYZ,PDM).

Mercado, B. L., Talatala, R. L., and Perez, R. A. (1974). Morphological Response of Rice Seedlings to Dinitroxyldine Herbicides . *Phill J Sci* 103: 165-169.

EcoReference No.: 41724

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

Michieka, R. W., Ilnicki, R. D., and Justin, J. R. (1977). Weed Control in Double-Crop Soybeans with Herbicides Applied Alone and in Combination with Paraquat or Glyphosate. *Proc.Northeast.Weed Sci.Soc.* 31: 61-69.

EcoReference No.: 40649

Chemical of Concern: GYP,DMM,ACR,LNR,MBZ,PDM,DU; Habitat: T; Effect Codes: PHY,POP,MOR; Rejection Code: NO ENDPOINT,NO CONTROL(GYP,LNR,DU,PDM).

Michieka, R. W., Ilnicki, R. D., Justin, J. R., and Zublena, J. (1977). Response of Kenaf to Some Preemergence Herbicides. *Proc.Northeast.Weed Sci.Soc.* 31: 86-90.

EcoReference No.: 41808

Chemical of Concern: OYZ,DMM,ACR,LNR,MBZ,PDM,DU; Habitat: T; Effect Codes: MOR,PHY,POP; Rejection Code: NO ENDPOINT,NO CONTROL(LNR,OYZ,DU,PDM).

Moorthy, B. T. S. and Manna, G. B. (1989). Weed Control in Puddle-Seeded Rice by Some Pre-emergence Herbicides. *Sci.Cult.* 55: 215-216.

EcoReference No.: 98467

Chemical of Concern: PDM,TBC,OXF,24D; Habitat: T; Effect Codes: PHY,GRO,POP; Rejection Code: NO ENDPOINT(OXF,PDM,24D).

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

Chemical of Concern: MTL,TFN,OXF,PDM,DU; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT,TARGET(MTL),TARGET(OXF,DU,PDM).

Mueller-Warrant, G. W., Young III, W. C., and Mellbye, M. E. (1995). Residue Removal Method and Herbicides for Tall Fescue Seed Production: II. Crop Tolerance. *Agron.J.* 87: 558-562.

EcoReference No.: 73988

Chemical of Concern: MTL,OXF,PDM,TFN,DU,MBZ,DMM,TBC; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE,TARGET(MTL),TARGET(OXF,DU,PDM) .

Mugnier, J. (1997). Mycorrhizal Interactions and the Effects of Fungicides, Nematicides and Herbicides on Hairy Root Cultures. *Hairy Roots* 123-131.

EcoReference No.: 98372

Chemical of Concern: HYX,ODL,MLX,PDM,Captan,GYP,24D,FST,MZB,FRN,PCZ,FTF,FUZ,TDF,TDM,BTN; Habitat: T; Effect Codes: PHY,GRO; Rejection Code: NO ENDPOINT(ALL CHEMS),NO CONC(FST,GYP).

Murray, M. W., Arnold, R. N., Gregory, E. J., and Smeal, D. (1994). Early Broadleaf Weed Control in Potato (*Solanum tuberosum*) with Herbicides. *Weed Technol.* 8: 165-167.

EcoReference No.: 74062

Chemical of Concern: MTL,MBZ,EPTC,DMM,PDM; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE,TARGET(MTL),TARGET(EPTC,PDM).

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

Chemical of Concern: MTL,PDM; Habitat: T; Effect Codes: GRO; Rejection Code: NO ENDPOINT,TARGET(MTL,PDM).

Pankey, J. H., Griffin, J. L., Colyer, P. D., Schneider, R. W., and Miller, D. K. (2005). Preemergence Herbicide and Glyphosate Effects on Seedling Diseases in Glyphosate-Resistant Cotton. *Weed Technol.* 19: 312-318.

EcoReference No.: 105487

Chemical of Concern: PDM,FMU,MTL,GYP; Habitat: T; Effect Codes: PHY; Rejection Code: NO MIXTURE(PDM,MTL),OKGYP.

Patel, S., Bajpayee, M., Pandey, A. K., Parmar, D., and Dhawan, A. (2007). In Vitro Induction of Cytotoxicity and DNA Strand Breaks in Cho Cells Exposed to Cypermethrin, Pendimethalin and Dichlorvos. *Toxicol.In Vitro* 21: 1409-1418.

Chemical of Concern: DDVP,PDM; Habitat: T; Rejection Code: NO IN VITRO(DDVP,PDM).

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

Chemical of Concern: MTL,PDM; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE(MTL,TARGET-MTL),TARGET(PDM).

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

Chemical of Concern: MTL,DMM,MBZ,PDM,CZE,GYP,ATZ; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE(ATZ,TARGET-MTL),TARGET(GYP,PDM).

Richburg III, J. S., Wilcut, J. W., Colvin, D. L., and Wiley, G. R. (1996). Weed Management in Southeastern Peanut (Arachis hypogaea) with AC 263,222. *Weed Technol.* 10: 145-152.

EcoReference No.: 73775

Chemical of Concern: MTL,PAQT,BT,ACF,PDM; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE(MTL,TARGET-MTL),TARGET(PDM).

Ruter, J. M. and Glaze, N. C. (1992). Herbicide Combinations for Control of Prostrate Spurge in Container-Grown Landscape Plants . *J.EnvIRON.Hortic.* 10: 19-22.

EcoReference No.: 73413

Chemical of Concern: OYZ,ODZ,OXF,PDM,MTL; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE(MTL,TARGET-MTL),TARGET(OYZ,OXF,PDM).

Sauls, B. T. (1999). Pesticide Risk Mitigation of Avian Wildlife in Iowa Agroecosystems. *Ph.D.Thesis, Texas Tech Univ., Lubbock, TX* 104 p.

EcoReference No.: 93607

Chemical of Concern: LCYT,TFN,LCF,GYP,IZT,24D,QZF,CRM,TBO,MTL,CZE,PDM ; Habitat: T; Effect Codes: MOR,REP,POP; Rejection Code: NO MIXTURE(GYP,24D,LCF,MTL,TBO,LCYT,PDM,CZE,TFN,IZT,QZF,CRM),NO COC(ATZ).

Scott, A. W. Jr. and Reeves, S. A., Jr. (1977). Evaluation of Selected Pre and Postemergence Weed Control Treatments in Sugarcane. *Proc.South.Weed Sci.Soc.* 30: 125-129 .

EcoReference No.: 40807

Chemical of Concern: ATZ,HXZ,DMM,DMB,PDM,TET,TFN; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(ATZ,DMM,DMB,TET,TFN),NO ENDPOINT,NO CONTROL(HXZ,PDM).

Singh, A. L., Singh, P. K., and Singh, P. L. (1988). Effects of Different Herbicides on the Azolla and Blue-Green Algal Biofertilization of Rice. *J.Agric.Sci.* 111: 451-458.

EcoReference No.: 104909

Chemical of Concern: ODZ,TBC,BTC,PDM,24D; Habitat: A; Effect Codes: GRO; Rejection Code: NO ENDPOINT(PDM,24D).

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

Chemical of Concern: MTL,TFN,PDM,MSMA,FZFP; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(MTL,TARGET-PDM).

Sprinkle, P. L. (1974). AC 92,553, A Selective Herbicide for Weed Control in Cereals and Other Crops. *Proc.Br.Weed Control Conf.* 12: 825-830.

EcoReference No.: 40588

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

Takeuchi, S., Matsuda, T., Kobayashi, S., Takahashi, T., and Kojima, H. (2006). In Vitro Screening of 200 Pesticides for Agonistic Activity via Mouse Peroxisome Proliferator-Activated Receptor (PPAR)alpha and PPARGgamma and Quantitative Analysis of In Vivo Induction Pathway. *Toxicol.Appl.Pharmacol.* 217: 235-244.

EcoReference No.: 89206

Chemical of Concern:

AND,HCCH,Captan,CHD,CTN,DDT,DBN,DCF,DLD,ES,EN,Folpet,HPT,MXC,PCP,ACF,ACFM,DFPM,FZFB,OXF,ACP,ANL,CPY,CPYM,DZ,DDVP,DMT,DS,ETN,FMP,FNT,FNTH,GYP,IFP,MLN,MTM,MDT,MP,PRN,PRT,PHSL,PSM,PIRM,PFF,TBO,TVP,TCM,TCF,CYF,CYH,CYP,DM,EFX,FNV,FYT,FVL,PMR,PYN,TFT,TLM,BDC,BMY,CBL,CBD,CBF,CPP,MCB,MOM,MLT,OML,PHMD,PIM,TBC,THM,ACR,ASM,FTL,MLX,MTL,PZM,ANZ,ATZ,MBZ,PRO,PMT,SZ,BSF,DFZ,DU,LNR,PPN,AMZ,BPH,BTN,DZM,EXQ,FRM,FZN,ILL,IMC,IPD,MCPA,24DXY,PAQT,PDM,PCZ,SXD,TBAH,TPM,TDF,TFZ,TFN,TFR,TVMP,VCZ,FTL; Habitat: T; Effect Codes: BCM,CEL; Rejection Code: OK(ILL,PYN,DFPM),NO IN VITRO(ALL OTHER CHEMS).

Turgut, C. (2005). The Effect of Pesticides on Duckweed at Their Predicted Environmental Concentrations in Europe. *Fresenius Environ.Bull.* 14: 783-787.

EcoReference No.: 85923

Chemical of Concern: DPP1,GYP,PYD,PDM,PCZ,TFN,CTN,MTSM,TSM,THFM,RIM; Habitat: A; Effect Codes: BCM,GRO; Rejection Code: NO ENDPOINT(ALL CHEMS).

Van Himme, M. and Bulcke, R. (1990). Possibilities of Growing Replacing Spring Crops After Failure of Agricultural Spring Crops Treated with Persistent Herbicides. *Med.Fac.Landbouww.Rijksuniv.Gent.* 55: 1141-1155.

EcoReference No.: 72692

Chemical of Concern: SZ,ACR,MTL,PDM,ATZ,EFS,MBZ,LNR,DU; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT(SZ),TARGET(ATZ,MTL,LNR,DU,ACR,PDM).

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

EcoReference No.: 40869

Chemical of Concern: MTL,ATZ,ACR,BTY,CZE,PDM; Habitat: T; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(MTL),OK(BTY,CZE),NO MIXTURE(ACR),TARGET(ATZ),NO ENDPOINT(PDM).

Pendimethalin
Papers that Were Rejected by OPP and Ecotox

Red Facts: Pendimethalin. *Govt reports announcements & index (gra&i), issue 20, 2097.*
Chem Codes: Chemical of Concern: PDM Rejection Code: HUMAN HEALTH.

Reregistration Eligibility Decision (Red): Pendimethalin (Includes Red Facts: Pendimethalin) (Fact Sheet). *Govt reports announcements & index (gra&i), issue 20, 2097.*
Chem Codes: Chemical of Concern: PDM Rejection Code: HUMAN HEALTH.

Support: Supplemental Submission on Groundwater Contamination, Epa Doc Cntl No 8ehq-0979-0310, Aerojet Propulsion Div, Rancho Cordova, Ca Facility With Cover Letter Dated 032194. *Epa/ots; doc #0007859590.*
Chem Codes: Chemical of Concern: PDM Rejection Code: FATE.

Akey, W. C., Russell, T., Alford, C., Morrison, T., and Denning, M. (1997). Will the Toad Croak? An Endangered Species Decision Case. *Journal of natural resources and life sciences education* 26: 148-156.
Chem Codes: Chemical of Concern: PDM Rejection Code: NO TOX DATA.

Akiyama, Y., Yano, M., Mitsuhashi, T., Takeda, N., and Tsuji, M. (1996). Simultaneous Determination of Pesticides in Agricultural Products by Solid-Phase Extraction and Gas Chromatography-Mass Spectrometry. *Journal of the food hygienic society of japan* 37: 351-362.
Chem Codes: Chemical of Concern: PDM Rejection Code: NON-ENGLISH.

Alagawadi, A. R., Patil, V. C., and Reddy, T. Kr (1990). Effect of Pendimethalin on Phosphate Solubilizing Bacteria Inoculated to Cowpea Plants. *Zentralbl mikrobiol* 145: 57-60.
Chem Codes: Chemical of Concern: PDM Rejection Code: BACTERIA.

Alavanja, M. C., Dosemeci, M., Samanic, C., Lubin, J., Lynch, C. F., Knott, C., Barker, J., Hoppin, J. A., Sandler, D. P., Coble, J., Thomas, K., and Blair, A. (Pesticides and Lung Cancer Risk in the Agricultural Health Study Cohort. *Am j epidemiol.* 2004, nov 1; 160(9):876-85. [*American journal of epidemiology*]: *Am J Epidemiol.*
Chem Codes: Chemical of Concern: PDM Rejection Code: HUMAN HEALTH.

Almeida, V. Md, Ramalho, M. Ap, Reis, A. Jd, and Muniz, J. A. (1990). Agronomic and Economic Evaluation of Production Systems for Common Bean (*Phaseolus Vulgaris* L.) Under Irrigation. *Cienc prat* 14: 125-136 .
Chem Codes: Chemical of Concern: PDM Rejection Code: NON-ENGLISH .

Anon (1986). Selling in the Corn Market. *Agrichem age* 30: 14-15.
Chem Codes: Chemical of Concern: PDM Rejection Code: NO TOX DATA.

Aschwanden, Christie (2008-). Managing to Excel at Science. *Cell* 132: 911-913.
Chem Codes: Chemical of Concern: PDM Rejection Code: HUMAN HEALTH.

Ashton, F. M. and Monaco, T. J. (1991). Weed Science Principles and Practices Third Edition. *Ashton, f. M. And t. J. Monaco. Weed science: principles and practices, third edition. Ix+466p. John wiley and sons, inc.: New york, new york, usa* Chichester, england, uk. Illus. Isbn 0-471-60084-9.; 0: Ix+466p.
Chem Codes : Chemical of Concern: PDM Rejection Code: REVIEW.

Asman, W. A., JØash, Rgensen, A., Bossi, R., Vejrup, K. V., Mogensen, B. B., and Glasius, M. (Wet

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 CR,DDT,DCF,DLD,ES,EN,HCCH,TXP,DMT,FNT,MLN,MP,CYH,BFT,FNV,DM,PCL,MBZ,Maneb,Nab
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Chemical of Concern: MTL,TFN,PDM,OXF; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(OXF,PDM).

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EcoReference No.: 73936

Chemical of Concern: MTL,MBZ,LNR,PDM; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(LNR,PDM).

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Chemical of Concern: OXF,BTC,PDM; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(OXF,PDM).

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

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EcoReference No.: 63442

Chemical of Concern: IZT,TFN,PDM,CMZ,MTL,ACR; Habitat: T; Effect Codes: POP,REP; Rejection Code: TARGET(CMZ,ACR,PDM).

Balusamy, M. and Pothiraj, P. (1989). Chemical Control of *Echinochloa* spp. in Transplanted Rice. *Pesticides* 23: 31-35.

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Chemical of Concern: MLT,PPN,BTC,TBC,PDM; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(PDM,PPN).

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EcoReference No.: 73999

Chemical of Concern: MTL,ACO,ACR,BMN,LNR,PDM,PYD,THF,ATZ,BT,CZE,DMB,MBZ,DMM,SZ,24DXY; Habitat: T; Effect Codes: POP,PHY; Rejection Code: TARGET(SZ,DMB,ATZ,MTL,24DXY,LNR,ACR,PDM).

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EcoReference No.: 73414

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

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EcoReference No.: 87923

Chemical of Concern: BMN,DMB,MTC,MTSM,PDM,GYP; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(GYP,PDM).

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EcoReference No.: 25364

Chemical of Concern: TFN,SID,ACF,ACR,ASM,ATZ,BMN,BTY,CZE,DFP,DEE,DU,EFS,MTC,OYZ,MBZ,ODZ,PDM,PCH,PYZ,PPZ; Habitat: T; Effect Codes: PHY,MOR; Rejection Code:

TARGET(SID,ATZ,OYZ,DU,ACR,BTY,PDM),OK(ALL CHEMS).

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EcoReference No.: 73952

Chemical of Concern: MTL,ACR,MBZ,PMD,TFN,OYZ,PDM; Habitat: T; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(MTL),TARGET(OYZ,ACR,PDM).

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

Chemical of Concern: MTL,ACR,MBZ,OXF,PDM,TFN; Habitat: T; Effect Codes: POP,REP; Rejection Code: LITE EVAL CODED(MTL),TARGET(OXF,ACR,PDM) .

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

Chemical of Concern: MTL,PDM,TFN; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(MTL),TARGET(MTL,PDM).

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

Chemical of Concern: MTL,ODZ,OXF,PDM,OYZ,FZF,SXD; Habitat: T; Effect Codes: POP,MOR; Rejection Code: LITE EVAL CODED(MTL),TARGET(SXD,OYZ,OXF,PDM).

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EcoReference No.: 73737

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

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EcoReference No.: 73924

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

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EcoReference No.: 73428

Chemical of Concern: 24DXY,PDM,GYP,ATZ,DU,NFZ,IZP; Habitat: T; Effect Codes: GRO; Rejection Code: NO COC(MTL),TARGET(IZP,ATZ,GYP,NFZ,DU,24DXY,PDM).

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EcoReference No.: 72635

Chemical of Concern: SZ,OXF,PDM,NPP; Habitat: T; Effect Codes: GRO,REP; Rejection Code:

TARGET(SZ,OXF,PDM).

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

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EcoReference No.: 82286

Chemical of Concern: IMQ,TFN,PDM,CMZ; Habitat: T; Effect Codes: MOR,GRO,PHY; Rejection Code: TARGET(CMZ,PDM).

Dotray, P. A. and McKenney, C. B. (1996). Established and Seeded Buffalograss Tolerance to Herbicides Applied Preemergence. *Hortscience* 31: 393-395.

EcoReference No.: 76103

Chemical of Concern:

QNC,PPZ,MBZ,LNR,DMB,CZE,ACR,SZ,PRM,PDM,OYZ,MTL,DU,DTP,PPN,ATZ; Habitat: T; Effect Codes: PHY,POP; Rejection Code: LITE EVAL CODED(PPZ),OK(ALL CHEMS),TARGET(DMB,ATZ,MTL,SZ,OYZ,LNR,QNC,DU,ACR,PDM,PPN),NO COC(BZO).

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

EcoReference No.: 73265

Chemical of Concern: MTL,ACR,PDM,TBC,MBZ; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(ACR,PDM).

Finney, S. B. (1991). Cellular Response of Two Turfgrass Cultivars to Selected Herbicides. *M.S.Thesis, Univ.of Tennessee, Knoxville, TN* 81 p.

EcoReference No.: 72266

Chemical of Concern: OYZ,PDM; Habitat: T; Effect Codes: CEL,GRO,PHY; Rejection Code: TARGET(OYZ,PDM).

Fischer, A. J., Ateh, C. M., Bayer, D. E., and Hill, J. E. (2000). Herbicide-Resistant *Echinochloa oryzoides* and *E. phyllopogon* in California *Oryza sativa* Fields. *Weed Sci.* 48: 225-230.

EcoReference No.: 59421

Chemical of Concern: MLT,TBC,FNPE,BP,PPN,GYP,GFS,PDM,CMZ; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(CMZ,FNPE,GYP,GFS,PDM,PPN).

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

EcoReference No.: 73743

Chemical of Concern:

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

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EcoReference No.: 96793

Chemical of Concern: PDM,DLD,CZE,NFZ,BTL,MBZ,TFN,FMU,DU,PMT; Habitat: T; Effect Codes: PHY,POP; Rejection Code: TARGET(NFZ,DU,PMT,PDM).

Freed, B. E., Oplinger, E. S., and Buhler, D. D. (1987). Velvetleaf Control for Solid-Seeded Soybean in Three Corn Residue Management Systems. *Agron.J.* 79: 119-123 .

EcoReference No.: 79737

Chemical of Concern: ACR,PDM,SXD,BT,ACF; Habitat: T; Effect Codes: PHY,GRO; Rejection Code: TARGET(ACR,PDM).

Gardner, D. S., Christians, N. E., and Bingaman, B. R. (1997). Pendimethalin and Corn Gluten Meal Combinations to Control Turf Weeds. *Crop Sci.* 37: 1875-1877.

EcoReference No.: 72783

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

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

EcoReference No.: 73808

Chemical of Concern: MTL,NPP,PDM,MBZ,DMM,FZF,SXD; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(MTL),TARGET(SXD,MTL,PDM).

Glover, D. G. and Schapaugh, W. T. Jr. (1997). Screening of Soybean for Pendimethalin Herbicide Induced Stem Damage. *Crop Sci.* 37: 358-360.

EcoReference No.: 72784

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

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

Chemical of Concern: MTL,TBC,ODZ,PDM,BT; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(MTL,PDM).

Green II, D. E., Fry, J. D., Pair, J. C., and Tisserat, N. A. (1994). Influence of Management Practices on Rhizoctonia Large Patch Disease in Zoysiagrass. *Hortscience* 29: 186-188.

EcoReference No.: 70484

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

Grey, T. L., Bridges, D. C., and NeSmith, D. S. (2000). Tolerance of Cucurbits to the Herbicides Clomazone, Ethalfluralin, and Pendimethalin. I. Summer Squash. *Hortscience* 35: 632-636.

EcoReference No.: 64552

Chemical of Concern: EFL,PDM,CMZ; Habitat: T; Rejection Code: TARGET(CMZ,PDM).

Grey, T. L., Bridges, D. C., and NeSmith, D. S. (2000). Tolerance of Cucurbits to the Herbicides Clomazone, Ethalfluralin and Pendimethalin. II. Watermelon. *Hortscience* 35: 637-641.

EcoReference No.: 66590

Chemical of Concern: EFL,PDM,CMZ; Habitat: T; Effect Codes: GRO,POP; Rejection Code:

TARGET(CMZ,PDM).

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

Chemical of Concern: MTL,PDM,EFL,TFN,IZT; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(PDM).

Haar, M. J., Fennimore, S. A., and Lambert, C. L. (2001). Economics of Pronamide and Pendimethalin Use in Weed Management During Artichoke Stand Establishment. *Hortscience* 36: 650-653.

Chemical of Concern: PZM,PDM; Habitat: T; Rejection Code: TARGET(PZM,PDM).

Hagood, E. S. Jr. (1989). Control of Triazine-Resistant Smooth Pigweed (*Amaranthus hybridus*) and Common Lambsquarters (*Chenopodium album*) in No-Till Corn (*Zea mays*). *Weed Technol.* 3: 136-142.

EcoReference No.: 73997

Chemical of Concern: MTL,ACR,DMB,PDM; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(DMB,MTL,ACR,PDM).

Hanson, B. D. and Thill, D. C. (2001). Effects of Imazethapyr and Pendimethalin on Lentil (*Lens culinaris*), Pea (*Pisum sativum*), and a Subsequent Winter Wheat (*Triticum aestivum*) Crop. *Weed Technol.* 15: 190-194.

EcoReference No.: 66850

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

Henderson, C. W. L. and Webber, M. J. (1993). Phytotoxicity to Transplanted Lettuce (*Lactuca sativa*) of Three Pre-emergence Herbicides: Metolachlor, Pendimethalin, and Propachlor. *Aust.J.Exp.Agric.* 33: 373-380.

EcoReference No.: 73755

Chemical of Concern: MTL,PDM,PCH; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(MTL,PDM).

Herrick, R. M. and Ilnicki, R. D. (1984). The Effect of Adjuvants in Combination with Pendimethalin for the Postemergence Control of Velvetleaf. *Proc.Northeast.Weed Sci.Soc.* 38: 17-19.

EcoReference No.: 31718

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

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EcoReference No.: 31022

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

Herrick, R. M. and Ilnicki, R. D. (1985). Preemergence Control of Crabgrass in Turf with Pendimethalin. *In: Proc.of the Annu.Meet.of the Northeast.Weed Sci.Soc.* 39: 271-273.

Chemical of Concern: BS,PDM; Habitat: T; Rejection Code: TARGET(BS,PDM).

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EcoReference No.: 63884

Chemical of Concern: PMT,PDM; Habitat: T; Rejection Code: TARGET(PDM).

Hopp, H., Behrendt, S., and Menck, B. H. (1976). Field Foxtail (*Alopecurus Myosuroides*) and Weed Control with Penoxalin in Cereals. *Med.Rijk.Lg.* 41: 1105-1112.

EcoReference No.: 26623

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

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EcoReference No.: 73787

Chemical of Concern: MTL,ACR,PDM,ODZ,EPTC; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(MTL,EPTC,ACR,PDM) .

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

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

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EcoReference No.: 87374

Chemical of Concern: TFN,OYZ,DTP,ODZ,PDM,PRM; Habitat: T; Effect Codes: GRO,POP; Rejection Code: TARGET(OYZ,PDM).

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

Chemical of Concern: MTL,PDM,SFR; Habitat: T; Effect Codes: POP; Rejection Code: EFFICACY(SFR,PDM,MTL).

Johnson, B. J. and Duncan, R. R. (1998). Influence of Herbicides on Establishment of Eight Seashore Paspalum Cultivars. *J.Environ.Hortic.* 16: 79-81.

EcoReference No.: 100561

Chemical of Concern: DMB,QNC,HSF,ODZ,DTP,PDM; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(QNC,DMB,PDM).

Jordan, D. L., York, A. C., McClelland, M. R., and Frans, R. E. (1993). Clomazone as a Component in Cotton (*Gossypium hirsutum*) Herbicide Programs. *Weed Technol.* 7: 202-211.

EcoReference No.: 100261

Chemical of Concern: TFN,PDM,NFZ,CMZ; Habitat: T; Effect Codes: POP,PHY; Rejection Code: NO COC(DS),TARGET(PDM,NFZ,CMZ,TFN).

Kapusta, G., Krausz, R. F., and Matthews, J. L. (1993). MON 13200 Early Preplant Controls Giant Foxtail (*Setaria faberi*) Season-Long in No-Till Soybean (*Glycine max*). *Weed Technol.* 7: 872-878.

EcoReference No.: 74015

Chemical of Concern: MTL,ACR,PDM,IMQ; Habitat: T; Effect Codes: POP,PHY; Rejection Code:

TARGET(MTL,ACR,PDM).

Kathiresan, G. and Manoharan, M. L. (2002). Effect of Seed Rate and Methods of Weed Control on Weed Growth and Yield of Direct-Sown Rice (*Oryza sativa*). *Indian J.Agron.* 47: 212-215.

EcoReference No.: 98135

Chemical of Concern: OXF,PDM,TBC; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(OXF,PDM,TBC).

Kawahigashi, H., Hirose, S., Ozawa, K., Ido, Y., Kojima, M., Ohkawa, H., and Ohkawa, Y. (2005). Analysis of Substrate Specificity of Pig CYP2B22 and CYP2C49 Towards Herbicides by Transgenic Rice Plants. *Transgenic Res.* 14: 907-917.

EcoReference No.: 100194

Chemical of Concern: NFZ,MTL,DU,PDM,TFN,ACO,ACR; Habitat: T; Effect Codes: GRO; Rejection Code: NO COC(PMR,IXB),NO ENDPOINT,NO CONTROL(NFZ,MTL,DU,ACR),TARGET(PDM).

Keisers, J. T. and Paidin, P. (1986). Postemergence Herbicide Treatments for Weed Control in Direct-Seeded Wetland Rice. *Suranaamse Landbouw.* 34: 33-39.

EcoReference No.: 74327

Chemical of Concern: BT,BTC,MLT,ODZ,PDM,PPN,TBC; Habitat: T; Effect Codes: POP,PHY; Rejection Code: TARGET(PDM,PPN).

Koger, C. H., Walker, T. W., and Krutz, L. J. (2006). Response of Three Rice (*Oryza sativa*) Cultivars to Pendimethalin Application, Planting Depth, and Rainfall. *Crop Prot.* 25: 684-689.

EcoReference No.: 87403

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

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EcoReference No.: 99087

Chemical of Concern: PDM,PRM,DTP,IBX; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(PDM).

Krausz, R. F. and Young, B. G. (2001). Response of Double-Crop Glyphosate-Resistant Soybean (*Glycine max*) to Broadleaf Herbicides. *Weed Technol.* 15: 300-305 .

EcoReference No.: 66870

Chemical of Concern: GYP,PDM; Habitat: T; Effect Codes: CEL,GRO; Rejection Code: TARGET(GYP,PDM).

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

Chemical of Concern: MTL,MBZ,DMM,NFZ,PDM,IZT,IMQ,FMU,EFL,DU,CZE,ATZ,ACR,CRM,CMZ; Habitat: T; Effect Codes: GRO,POP,PHY; Rejection Code: LITE EVAL CODED(MTL),OK(ALL CHEMS),TARGET(ATZ,MTL,NFZ,DU,ACR,PDM).

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EcoReference No.: 73768

Chemical of Concern: MTL,DCPA,PMT,PDM,ODZ; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(MTL,DCPA,PMT,PDM).

Lewthwaite, S. L. and Triggs, C. M. (2000). Weed Control in Sweet Potatoes. *Proc.N.Z.Plant Prot.Conf.* 53: 262-268.

EcoReference No.: 76445

Chemical of Concern: FZS,ACO,PAQT,DMM,ACR,PDM,PYD,CMZ; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(FZS),OK(ALL CHEMS),TARGET(CMZ,ACR,PDM).

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

Madhu, M., Nanjappa, H. V., and Naik, H. R. (1996). Economics of Weed Control Treatments in Puddled Seeded Rice. *Crop Res.* 12: 133-137.

EcoReference No.: 98215

Chemical of Concern: ANL,PDM,OXF,BTC; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(PDM,OXF).

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

Chemical of Concern: MTL,ATZ,DTP,ODZ,PDM; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(MTL),TARGET(ATZ,MTL,PDM).

McCarty, L. B., Porter, D. W., Colvin, D. L., Shilling, D. G., and Hall, D. W. (1994). Controlling Two Sprangletop (*Leptochloa* spp.) Species with Preemergence Herbicides. *Weed Technol.* 9: 29-33.

EcoReference No.: 74007

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

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

Chemical of Concern: MTL,ATZ,PDM,ODZ,DTP; Habitat: T; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(MTL),TARGET(ATZ,MTL,PDM).

Miller, J. H., Carter, L. M., and Carter, C. H. (1983). An Experimental Incorporator-Planter for Cotton (*Gossypium hirsutum*). *Weed Sci.* 31: 208-214.

EcoReference No.: 41093

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

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EcoReference No.: 73792

Chemical of Concern: MTL,ODZ,ACR,PDM,BT; Habitat: T; Effect Codes: POP; Rejection Code: LITE

EVAL CODED(MTL),TARGET(ACR,PDM).

Mitchell, G. A. (1985). Effects of Trifluralin and Pendimethalin on Selected Characteristics of Cotton. *M.S.Thesis, Miss.State Univ., Miss.State, MS.*

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

Mitchell, G. A. and Bourland, F. M. (1986). Effects of Trifluralin and Pendimethalin on Cotton Emergence and Seedling Characteristics. *In: Proc.Natl.Cotton Counc.Beltwide Cotton Prod.Res.Conf.* 64-66.

EcoReference No.: 68149

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

Modak, R., Chakraborty, T., and De, G. C. (1995). Method of Weed Management on Weed Biomass, Yield of Blackgram (Phaseolus mungo) and Nitrogen Uptake. *Indian J.Agron.* 40: 115-117.

EcoReference No.: 80923

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

Moustafa-Mahmoud, S. M., Sumner, D. R., Ragab, M. M., and Ragab, M. M. (1993). Interaction of Fungicides, Herbicides, and Planting Date with Seedling Disease of Cotton Caused by Rhizoctonia solani AG-4. *Plant Dis.* 77: 79-86.

EcoReference No.: 70447

Chemical of Concern: PDM,TCM,PMT,OXF,CLNB,FTL,CBX,PNB; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(CLNB,FTL),TARGET(OXF,PMT,PDM).

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

Chemical of Concern: MTL,ACO,ACR,PDM; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(ACR,PDM).

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

Chemical of Concern: MTL,OXF,TFN,PDM,DU,TRB; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(OXF,DU,PDM).

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.* 6: 176-178.

EcoReference No.: 73795

Chemical of Concern: MTL,ACR,DU,PDM,ATZ,24DXY,BTC; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),OK(ALL CHEMS),TARGET(24DXY,ATZ,DU,ACR,PDM).

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EcoReference No.: 73810

Chemical of Concern: MTL,THF,BMN,MBZ,DMM,ACR,ACO,ATZ,PDM,CZE,LNR,DMB,PYD,24DXY; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL

CODED(MTL),TARGET(DMB,ATZ,24DXY,LNR,ACR,PDM).

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

Chemical of Concern: MTL,OXF,PDM; Habitat: T; Effect Codes: GRO,POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(OXF,PDM).

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

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

Nelson, K. A. and Renner, K. A. (1999). Weed Management in Wide- and Narrow-Row Glyphosate Resistant Soybean. *J.Prod.Agric.* 12: 460-465.

EcoReference No.: 65280

Chemical of Concern: GYP,PDM,MBZ,ACF,CRM,QZF,FZF,THF,IZT; Habitat: T; Effect Codes: PHY,POP; Rejection Code: TARGET(GYP,PDM).

Nielsen, R. S. (1974). Prowl-Herbicide for Field Corn and Cotton. *Proc.West Soc.Weed Sci.* 27: 66.

EcoReference No.: 25123

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

Novo, R. J., Darre, C. A., and Zumelzu, G. (1998). Weed Control in *Aloysia polystachya* with pre and Post Emergence Herbicides. *J.Med.Aromat.Plant Sci.* 20: 679-682.

EcoReference No.: 70779

Chemical of Concern: SZ,TFN,PDM,PAQT,PMT,DMN; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(SZ),TARGET(PMT,PDM).

Ogg, P. J. and Schmer, D. A. (1978). Pendimethalin for Late Season Weed Control in Corn. *P Nc Wd C C* 33: 84-87.

EcoReference No.: 26246

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

Omokaro, D. N. and Ajakaiye, C. O. (1989). Effects of Soil Applied Herbicides on Leaf Nitrate Reductase and Crude Protein in the Leaf and Seed of Two Cowpea Cultivars. *Plant Soil* 116: 141-146.

EcoReference No.: 74020

Chemical of Concern: MTL,PDM,PMT; Habitat: T; Effect Codes: BCM; Rejection Code: TARGET(MTL,PMT,PDM).

Pahwa, S. K. and Bajaj, K. (2000). Effect of Pre-emergence Herbicides on the Activity of Ribonuclease and Deoxyribonuclease Enzyme During Germination in Pigeonpea and Carpetweed. *Indian J.Weed Sci.* 32: 21-24.

EcoReference No.: 69002

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

Pandit, G. K., Bhattacharya, P. M., Chaudhuri, S., Pal, S., and Das, A. K. (2000). Phytotoxicity of Photoproducts of Pendimethalin to Rice Seedlings. *Pestic.Res.J.* 12: 242-244.

EcoReference No.: 71452

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

Pannacci, E., Graziani, F., and Covarelli, G. (2007). Use of Herbicide Mixtures for Pre and Post-Emergence Weed Control in Sunflower (*Helianthus annuus*). *Crop Prot.* 26: 1150-1157.

EcoReference No.: 101888

Chemical of Concern: QZFE,FFC,IMB,PDM,OXF,MTC,LNR; Habitat: T; Effect Codes: POP,PHY; Rejection Code: TARGET(LNR,QZFE,OXF,MTC,PDM).

Penner, D., Leep, R. H., Roggenbuck, F. C., and Lempke, J. R. (1993). Herbicide Efficacy and Tolerance in Sweet White Lupin. *Weed Technol.* 7: 42-46.

EcoReference No.: 73750

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

Prasad, K. and Rafey, A. (1995). Effect of Integrated Weed Management on Weed Growth, Nutrient Uptake, Economics and Energetics in Rainfed Upland Rice (*Oryza sativa*). *Indian J.Agric.Sci.* 65: 260-264.

EcoReference No.: 98124

Chemical of Concern: ODZ,OXF,PDM,TBC,BTC; Habitat: T; Effect Codes: GRO,POP,BCM,MOR; Rejection Code: TARGET(OXF,PDM).

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

EcoReference No.: 80528

Chemical of Concern: ACR,ATZ,OXF,PDM,GYP; Habitat: T; Effect Codes: GRO,BCM,POP; Rejection Code: TARGET(ATZ,GYP,OXF,ACR,PDM).

Prostko, E. P., Grey, T. L., and Davis, J. W. (2006). Texas Panicum (*Panicum texanum*) Control in Irrigated Field Corn (*Zea mays*) with Foramsulfuron, Glyphosate, Nicosulfuron, and Pendimethalin. *Weed Technol.* 20: 961-964.

Chemical of Concern: GYP,PDM; Habitat: T; Rejection Code: TARGET (GYP,PDM).

Prostko, E. P., Johnson III, W. C., and Mullinix, B. G. Jr. (2001). Annual Grass Control with Preplant Incorporated and Preemergence Applications of Ethalfluralin and Pendimethalin in Peanut (*Arachis hypogaea*). *Weed Technol.* 15: 36-41.

EcoReference No.: 67060

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

Qasem, J. R. (1998). Chemical Control of Branched Broomrape (*Orobanche ramosa*) in the Glasshouse Grown Tomato. *Crop Prot.* 17: 625-630.

EcoReference No.: 99678

Chemical of Concern: TFN,PDM,ODZ,MBZ,GYPI,FNPE,DMM,DFQ,DFPM,DCPA,CSF; Habitat: T; Effect Codes: GRO; Rejection Code: TARGET(DCPA,GYPI,PDM) .

Qasem, J. R. (1996). Chemical Weed Control in Garlic (*Allium sativum* L.) in Jordan. *Crop Prot.* 15: 21-26.

EcoReference No.: 105806

Chemical of Concern: LNR,PDM,OXF,PZM,PYZ,TFN,QZFE; Habitat: T; Effect Codes: POP,GRO; Rejection Code: TARGET(LNR,PDM,OXF,PZM,PYZ,TFN,QZFE).

Qasem, J. R. (2006). Chemical Weed Control in Seedbed Sown Onion (*Allium cepa* L.). *Crop Prot.* 25: 618-622.

EcoReference No.: 87396

Chemical of Concern: TFN,QZFE,PYZ,PMT,PDM,PAQT,OXF,ODZ,MBZ,FZFPB; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(OXF,QZFE,PMT,PDM).

Qasem, J. R. (2007). Weed Control in Cauliflower (*Brassica oleracea* var. botrytis L.) with Herbicides. *Crop Prot.* 26: 1013-1020.

EcoReference No.: 99677

Chemical of Concern: QZFE,LNR,PDM,TFN,CTHM,OXF; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(QZFE,LNR,DCPA,PDM).

Raju, R. A. and Reddy, K. A. (1992). Comparison of Application Methods for Chemical Weed Control in Rice. *Plant Prot.Q.* 7: 26-27.

EcoReference No.: 74349

Chemical of Concern: MLT,ODZ,PDM; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(PDM).

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

Chemical of Concern: MTL,PDM; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(MTL),TARGET(MTL,PDM).

Ramiah, S. and Muthukrishnan, P. (1992). Effect of Weed Control on Weed Growth and Grain Yield of Semi-dry Rice (*Oryza sativa*). *Indian J.Agron.* 37: 317-319.

EcoReference No.: 98122

Chemical of Concern: PDM,BTC,TBC,NaDPA,OXF; Habitat: T; Effect Codes: POP,GRO; Rejection Code: TARGET(OXF,24D,PDM),NO MIXTURE(NaDPA).

Rao, A. N. and Moody, K. (1988). Weed Control in Rice Seedling Nurseries. *Crop Prot.* 7: 202-206.

EcoReference No.: 100570

Chemical of Concern: BTC,TBC,PDM,PPN,BSF,QNC; Habitat: T; Effect Codes: POP,GRO; Rejection Code: TARGET(QNC,PDM,PPN).

Rathore, P. S., Bhati, D. S., and Mali, A. L. (1990). Effect of Weed Control Measures on Growth and Yield of Cumin. *Indian J.Agron.* 35: 304-305.

EcoReference No.: 105912

Chemical of Concern: PDM; Habitat: T; Effect Codes: GRO,POP; Rejection Code: EFFICACY(PDM),NO COC(EEEBEC).

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

Chemical of Concern: MTL,NPP,NFZ,OYZ,PDM,TFN; Habitat: T; Effect Codes: GRO; Rejection Code: LITE EVAL CODED(MTL),TARGET(OYZ,MTL,NFZ,PDM).

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

Chemical of Concern: MTL,ACR,TFN,PDM,PMT; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(ACR,PMT,PDM).

Richburg III, J. S., Wilcut, J. W., and Eastin, E. F. (1995). Weed Management in Peanut (*Arachis hypogaea*) with Imazethapyr and Metolachlor. *Weed Sci.* 9: 807-812.

EcoReference No.: 74008

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

Riches, C. R., Knights, J. S., Chaves, L., Caseley, J. C., and Valverde, B. E. (1997). The Role of Pendimethalin in the Integrated Management of Propanil-Resistant *Echinochloa colona* in Central America. *Pestic.Sci.* 51: 341-346.

EcoReference No.: 66927

Chemical of Concern: PDM,PPN; Habitat: T; Effect Codes: GRO,MOR; Rejection Code: TARGET(PDM,PPN).

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

EcoReference No.: 73987

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; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(MTL),TARGET(SXD,DMB,ATZ,24DXY,OYZ,OXF,EPTC,DU,DCPA,PDM).

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

EcoReference No.: 73972

Chemical of Concern: MTL,ANL,PDM,BTC,GYP,OXF; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(MTL),TARGET(GYP,OXF,PDM) .

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

EcoReference No.: 73971

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

Sandhu, K. S., Singh, T., and Gill, H. S. (1988). Herbicidal Control of Weeds in Pearl-Millet for Grain. *J.Res.Punjab Agric.Univ.* 25: 32-34.

EcoReference No.: 79717

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

Sarpe, N., Chirita, N., Budoi, G., and Hogeia, C. (1994). Research Works on Both Selectivity and Efficacy of the Herbicides Dimethenamide Alachlor and Pendimethalin Mixed with Metribuzin or Linuron for Potato

Crop. *Meded.Fac.Landbouwkd.Toegep.Biol.Wet.Univ.Gent* 59: 1361-1365.

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

Schmenk, R. and Kells, J. J. (1998). Effect of Soil-Applied Atrazine and Pendimethalin on Velvetleaf (*Abutilon theophrasti*) Competitiveness in Corn. *Weed Technol.* 12: 47-52.

EcoReference No.: 72879

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

Silowitz, Z., Wallace, J., Gurecki, T., Rebarchak, P., and Yocum, J. O. (1986). Foliar Insecticide Efficacy Trial, 1983. *Insectic.Acaric.Tests* 11: 168-170 (228).

EcoReference No.: 88758

Chemical of Concern: DMT,PDM,ADC,ES,OML,PMR,CYP,FNV,CYT; Habitat: T; Effect Codes: POP; Rejection Code: MIXTURE(DMT,ES),TARGET,EFFICACY(PDM,ADC,OML,PMR,CYP,FNV).

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

Chemical of Concern: MTL,OXF,EFL,PDM,SXD; Habitat: T; Effect Codes: GRO,BCM,PHY; Rejection Code: LITE EVAL CODED(MTL),TARGET(SXD,OXF,PDM) .

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

EcoReference No.: 73798

Chemical of Concern: MTL,OXF,PDM; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(OXF,PDM).

Singh, S., Bhushan, L., Ladha, J. K., Gupta, R. K., Rao, A. N., and Sivaprasad, B. (2006). Weed Management in Dry-Seeded Rice (*Oryza sativa*) Cultivated in the Furrow-Irrigated Raised-Bed Planting System. *Crop Prot.* 25: 487-495.

EcoReference No.: 93377

Chemical of Concern: 24D,MTSM,PDM,FNP,CYHB,TPR,BSF,CRM,PPN; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(24D,PDM,PPN),NO MIXTURE(FNP).

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

Chemical of Concern: MTL,TBC,ACR,MBZ,ODZ,PDM; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(ACR,PDM).

Smith, M. A. K. (2006). Comparing Weed and Crop Seedling Response to Pre-emergence Pendimethalin Application in *Corchorus olitorius* and *Abelmoschus esculentus*. *Crop Prot.* 25: 1221-1226.

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

Stefanic, E., Stefanic, I., and Murdoch, A. J. (2003). Economic Analysis of Integrated Weed Management in Field Bean (*Phaseolus vulgaris* L.). *Plant Soil Environ.* 49: 183-189.

EcoReference No.: 81885

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

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

EcoReference No.: 73915

Chemical of Concern:

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

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

EcoReference No.: 73236

Chemical of Concern:

PDM,MTL,TFN,TBC,OXF,EFL,24DXY,ATZ,NPP,GYP,BT,MBZ,SXD,DMB,PYZ,DSP; Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(MTL,PHMD),NO MIXTURE(SXD),OK(ALL CHEMS),TARGET(DMB,PYZ,ATZ,GYP,OXF,24DXY,PDM).

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

EcoReference No.: 70441

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

Tarkowska, J. A., Kossut, E., and Dobrzynska, K. (1994). The Effect of Pendimethalin on Plant Microtubules. *Fragm.Florist.Geobot.* 39: 297-307.

EcoReference No.: 85343

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

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

EcoReference No.: 73841

Chemical of Concern: OXF,MTL,PDM; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),TARGET(OXF,PDM).

Thakare, P. D., Patil, B. M., Kakade, S. U., and Karunakar, A. P. (1998). Effect of Chemical Weed Control on Growth and Yield of Soybean. *PKV Res.J.* 22: 205-206.

EcoReference No.: 73758

Chemical of Concern: MTL,OXF,MBZ,PDM,ODZ; Habitat: T; Effect Codes: GRO,POP; Rejection Code: TARGET(MTL,OXF,PDM).

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

EcoReference No.: 81290

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

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

EcoReference No.: 79732

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

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EcoReference No.: 73258

Chemical of Concern: MTL,PDM,OXF,BTC; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(MTL),TARGET(OXF,PDM).

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EcoReference No.: 98121

Chemical of Concern: OXF,BTC,ODZ,TBC,PDM; Habitat: T; Effect Codes: POP,GRO; Rejection Code: TARGET(OXF,PDM).

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Chemical of Concern: OXF, PDM; Habitat: T; Rejection Code: TARGET(PDM).

Webster, E. P., Baldwin, F. L., and Dillon, T. L. (1999). The Potential for Clomazone Use in Rice (*Oryza sativa*). *Weed Technol.* 13: 390-393.

EcoReference No.: 101021

Chemical of Concern: TBC,QNC,PDM,CMZ; Habitat: T; Effect Codes: POP,GRO,PHY; Rejection Code: TARGET(TBC,QNC,PDM,CMZ).

Webster, E. P., Bryant, K. J., and Earnest, L. D. (1999). Weed Control and Economics in Nontransgenic and Glyphosate-Resistant Soybean (*Glycine max*). *Weed Technol.* 13: 586-593.

EcoReference No.: 64147

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

Westra, P., Wilson, R. G., and Zimdahl, R. L. (1990). Wild-Proso Millet (*Panicum miliaceum*) Control in Central Great Plains Irrigated Corn (*Zea mays*). *Weed Technol.* 4: 409-414.

EcoReference No.: 74002

Chemical of Concern: MTL,PDM,ACR,CYC,EPTC,CZE,ACO,SXD; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(SXD,MTL,EPTC,ACR,PDM).

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

EcoReference No.: 73254

Chemical of Concern: MTL,OXF,TFN,OYZ,PDM,NPP,FTN; Habitat: T; Effect Codes: PHY,GRO; Rejection Code: LITE EVAL CODED(FTN,MTL),OK(ALL CHEMS),TARGET(OYZ,OXF,PDM).

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Chemical of Concern: PDM, MTL, Habitat: T; Rejection Code: TARGET(PDM).

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EcoReference No.: 31672

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