

Appendix H: Bibliography of ECOTOX Open Literature

Papers that Passed Screen for ECOTOX and OPP (Paper in bold was included in the assessment)

1. Ahrens, J. F. (1985). Evaluation of Sulfometuron Methyl for Weed Control in Christmas Tree Plantings. *Proc.Northeast.Weed Sci.Soc.* 39: 249-253.

EcoReference No.: 31608
Chemical of Concern: SMM,SZ,ATZ,OYZ; Habitat: T; Effect Codes: GRO,MOR,PHY; Rejection Code: OK TARGET(SMM,SZ,ATZ,OYZ).
2. Ahrens, J. F. (1979). Herbicides for Ground Cover Plantings. *Proc.Northeast.Weed Sci.Soc.* 33: 256-261.

EcoReference No.: 25886
Chemical of Concern: OYZ,SZ,NPP; Habitat: T; Effect Codes: POP,PHY,MOR; Rejection Code: OK(NPP),TARGET(SZ,OYZ).
3. **Anderhag, P., Hepler, P. K., and Lazzaro, M. D. (2000). Microtubules and Microfilaments are both Responsible for Pollen Tube Elongation in the Conifer Picea abies (Norway Spruce). *Protoplasma* 214: 141-157.**

EcoReference No.: 109533
Chemical of Concern: ETHN,OYZ,PZM; Habitat: T; Effect Codes: GRO,PHY; Code: LITE EVAL CODED(ETHN,OYZ,PZM).
4. Armson, A., Kamau, S. W., Grimm, F., Reynoldson, J. A., Best, W. M., MacDonald, L. M., and Thompson, R. C. A. (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; Code: LITE EVAL CODED(OYZ,TFN,PDM,BFL).
5. Bailey, T. A. and Jeffrey, S. M. (1989). Evaluation of 215 Candidate Fungicides for Use in Fish Culture. *Invest.Fish Control No.99, Fish Wildl.Serv., Bur.Sport Fish.Wildl., U.S.D.I., Washington, DC*: 9 p.

EcoReference No.: 895
Chemical of Concern:
ANZ,BMY,BRA,BSN881,BTN,Captan,Cu,CuOS,CuOX,CuS,DBAC,DIIS,DLN,DPHP,DQTBr,FML,Folpet,ILL,KDDC,KI,KPM,MEM,MLX,MZB,NaPTN,OPHP,OTQ,OYZ,PPMH,PPR,PXDZN,SBAK,TBA,TCMTB,TDF,TDM,TFM,TFR,THM,TPTH,Zineb; Habitat: A; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(OYZ).
6. Bovey, R. W. and Voigt, P. W. (1983). Tolerance of Weeping Lovegrass Cultivars to Herbicides. *Crop Sci.* 23: 364-368.

EcoReference No.: 25364
Chemical of Concern:
TFN,SID,ACF,ACR,ASM,ATZ,BMN,BTY,CZE,DFP,DEE,DU,EFS,MTC,OYZ,MBZ,ODZ,PDM,PC H,PYZ,PPZ; Habitat: T; Effect Codes: PHY,MOR; Rejection Code: OK TARGET(SID,ATZ),OK(ALL CHEMS),TARGET(OYZ).
7. 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),OK TARGET(MTL),TARGET(SXD,OYZ).
8. Catanzaro, C. J., Skroch, W. A., and Henry, P. H. (1993). Rooting Performance of Hardwood Stem Cuttings from Herbicide-Treated Nursery Stock Plants. *J.Environ.Hortic.* 11: 128-130.
- EcoReference No.: 73737
Chemical of Concern: MTL,NPP,PQT,PDM,OYZ,TFN,OXF,ODZ; Habitat: T; Effect Codes: GRO; Rejection Code: OK,TARGET(MTL),TARGET(OYZ) .
9. Caviness, D. M., Talbert, R. E., and Klingaman, G. L. (1988). Chemigation and Spray Application of Herbicides on Container-Grown Ornamentals. *Weed Technol.* 2: 418-422.
- EcoReference No.: 73995
Chemical of Concern: MTL,OYZ,NPP,ODZ,OXF; Habitat: T; Effect Codes: GRO,POP; Rejection Code: OK,TARGET(MTL),TARGET(OYZ).
10. Chan, M. M., Tzeng, J., Emge, T. J., Ho, C. T., and Fong, D. (1993). Structure-Function Analysis of Antimicrotubule Dinitroanilines Against Promastigotes of the Parasitic Protozoan *Leishmania mexicana*. *Antimicrob.Agents Chemother.* 37: 1909-1913.
- EcoReference No.: 119529
Chemical of Concern: EFL,PRM,TFN,BFL,OYZ; Habitat: T; Effect Codes: POP; Code: LITE EVAL CODED(PRM,OYZ),OK(EFL,TFN,BFL).
11. Creager, R. A. (1979). Evaluation of Herbicides on Six Species of Container-Grown Woody Ornamentals. *Proc.Northeast.Weed Sci.Soc.* 33: 238-239.
- EcoReference No.: 25885
Chemical of Concern: NPP,ACR,ODZ,OYZ; Habitat: T; Effect Codes: PHY,POP; Rejection Code: TARGET(OYZ).
12. DeFrank, J. and Easton-Smith, V. A. (1990). Evaluation of Pre-emergence Herbicides on Four Proteaceous Species. *Trop.Agric.* 67: 360-362.
- EcoReference No.: 70279
Chemical of Concern: OXF,OYZ; Habitat: T; Effect Codes: POP,GRO; Rejection Code: NO COC(SZ),TARGET(OYZ).
13. Derr, J. F. and Appleton, B. L. (1989). Weed Control with Landscape Fabrics. *J.Environ.Hortic.* 7: 129-133.
- EcoReference No.: 73253
Chemical of Concern: MTL,OYZ; Habitat: T; Effect Codes: POP,GRO; Rejection Code: LITE EVAL CODED(MTL),OK TARGET(MTL),TARGET(OYZ).
14. Diawara, M. M. and Banks, P. A. (1990). Weed Control in Barley (*Hordeum vulgare*): No-Till Grain Sorghum (*Sorghum bicolor*) Production. *Weed Sci.* 38: 50-53.
- EcoReference No.: 73760
Chemical of Concern: MTL,PPZ,DMB,24DXY,MBZ,OYZ,PAQT,ATZ; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(PPZ),OK(ALL CHEMS),OK TARGET(DMB,ATZ,MTL),TARGET(24DXY,OYZ).
15. 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),NO COC(BZO) .

16. Ehler, L. L. and Dutcher, S. K. (1998). Pharmacological and Genetic Evidence for a Role of Rootlet and Phycoplast Microtubules in the Positioning and Assembly of Cleavage Furrows in *Chlamydomonas reinhardtii*. *Cell Motil.Cytoskelet.* 40: 193-207 .

EcoReference No.: 119518

Chemical of Concern: OYZ; Habitat: A; Effect Codes: CEL; Code: LITE EVAL CODED(OYZ).

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

EcoReference No.: 13100

Chemical of Concern:

24DXY,ACR,ATZ,DBN,DU,GYP,NFZ,OXF,OYZ,TFN,SXD,ASM,AMTL,PAQT,NFZ,EPTC,FZFB,ACF,CSF; Habitat: A; Effect Codes: MOR,POP; Rejection Code: LITE EVAL CODED(OYZ).

18. 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).

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

EcoReference No.: 70790

Chemical of Concern:

PDM,DFPM,FZFB,PZM,GYPI,ACF,ACR,BT,DU,MTL,MBZ,OYZ,SZ,OXF,PQT,PPZ,SXD,TRB,TFN,24 D; Habitat: T; Effect Codes: GRO,POP; Code: LITE EVAL CODED(ACR,BT,DFPM,DU,GYPI,MBZ,OYZ,OXF,PQT,PDM,SZ,TFN,ACF,TRB,FZFB,PPZ,SXD,MT L,PZM).

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

EcoReference No.: 73266

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

21. Gilreath, J. P. (1986). Preemergence Weed Control in *Gladiolus hortulanus* Cormels. *Weed Sci.* 34: 957-960.

EcoReference No.: 73766

Chemical of Concern: MTL,ACR,OYZ; Habitat: T; Effect Codes: GRO,POP; Rejection Code: OK,TARGET(MTL),TARGET(OYZ).

22. 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
Chemical of Concern: MTL,ACR,FZF,FZFP,MBZ,NPP,OYZ,SXD; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),OK TARGET(MTL),TARGET(SXD,OYZ).
23. 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
Chemical of Concern: MTL,ACR,ATZ,OYZ; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),OK TARGET(MTL),TARGET(ATZ,OYZ).
24. Hall, L. C., Okihiro, M., Johnson, M. L., and Teh, S. J. (2007). Surflan and Oryzalin Impair Reproduction in the Teleost Medaka (*Oryzias latipes*). *Mar.Environ.Res.* 63: 115-131.
- EcoReference No.: 94265
Chemical of Concern: OYZ; Habitat: A; Effect Codes: REP,CEL; Rejection Code: LITE EVAL CODED(OYZ).
25. Hammett, L. K. and Monaco, T. J. (1982). Effect of Oryzalin and Other Herbicide Treatments on Selected Quality Factors of Sweet Potatoes. *J.Am.Soc.Hortic.Sci.* 107: 432-436.
- EcoReference No.: 25728
Chemical of Concern: OYZ; Habitat: T; Effect Codes: BCM,POP; Rejection Code: TARGET(OYZ).
26. 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
Chemical of Concern: MTL,NPP,OYZ; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(MTL),OK TARGET(MTL),TARGET(OYZ).
27. Isgrigg, J., Yelverton, F. H., Brownie, C., and Warren, L. S. Jr. (2002). Dinitroaniline Resistant Annual Bluegrass in North Carolina. *Weed Sci.* 50: 86-90.
- EcoReference No.: 87374
Chemical of Concern: TFN,OYZ,DTP,ODZ,PDM,PRM; Habitat: T; Effect Codes: GRO,POP; Rejection Code: TARGET(OYZ).
28. James, T. K. and Atkinson, G. C. (1978). Herbicide Tolerance of Sainfoin. *Proc.N.Z.Weed Control Conf.* 31: 121-123.
- EcoReference No.: 25882
Chemical of Concern: TFN,EPTC,24DB,MCPB,PZM,PAQT,CZE,SZ,MBZ,TRB,OYZ; Habitat: T; Effect Codes: POP,PHY; Rejection Code: TARGET(SZ),OK(TFN,EPTC,24DB,MCPB,PZM,PAQT,CZE,MBZ,TRB,OYZ),TARGET(PZM,OYZ).
29. Jin, Q. and Hasenstein, K. H. (2009). Cytoskeletal Control of Sperm Release in *Chara contraria*. *Bot.Mar.* 52: 162-169.
- EcoReference No.: 119332
Chemical of Concern: OYZ; Habitat: A; Effect Codes: REP; Code: LITE EVAL CODED(OYZ).

30. Kobayashi, I., Kobayashi, Y., and Hardham, A. R. (1997). Inhibition of Rust-Induced Hypersensitive Response in Flax Cells by the Microtubule Inhibitor Oryzalin. *Aust.J.Plant Physiol.* 24: 733-740.

EcoReference No.: 94585
Chemical of Concern: OYZ; Habitat: T; Effect Codes: POP; Rejection Code: LITE EVAL CODED(OYZ).
31. Locascio, S. J. (1978). Weed Control in Cucurbits with Ethalfluralin, Oryzalin, and Pendimethalin. *Proc.South.Weed Sci.Soc.* 31: 152-158.

EcoReference No.: 41392
Chemical of Concern: EFL,OYZ,PDM; Habitat: T; Effect Codes: GRO,POP,PHY; Rejection Code: OK(EFL,PDM,TARGET-OYZ).
32. Oliver, J. B., Reding, M. E., Moyseenko, J. J., Klein, M. G., Mannion, C. M., and Bishop, B. (2006). Survival of Adult *Tiphia vernalis* (Hymenoptera: Tiphidae) After Insecticide, Fungicide, and Herbicide Exposure in Laboratory Bioassays. *J.Econ.Entomol.* 99: 288-294.

EcoReference No.: 95857
Chemical of Concern: CPY,BFT,IMC,CBL,MCPPI,24D,DMB,PDM,HFZ,TPM,OYZ,CTN; Habitat: T; Effect Codes: MOR; Code: LITE EVAL CODED(IMC,CPY,HFZ,BFT,CBL,OYZ,CTN,PDM,TPM),NO MIXTURE(DMB,MCPPI,24D).
33. Quimby, P. C. Jr., Hollingsworth, E. B., and McDonald, R. L. (1977). Techniques for Greenhouse Evaluation of Herbicides on Saltcedar. *Weed Sci.* 25: 1-4.

EcoReference No.: 42825
Chemical of Concern: 24DXY,DMB,PCL,OYZ; Habitat: T; Effect Codes: PHY; Rejection Code: OK(PCL),TARGET(OYZ,24DXY,DMB).
34. 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),OK TARGET(MTL),TARGET(OYZ).
35. 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,D U,MBZ,DMM,OXF,BMN; Habitat: T; Effect Codes: PHY; Rejection Code: LITE EVAL CODED(MTL),OK TARGET(MTL),TARGET(SXD,DMB,ATZ,24DXY,OYZ).
36. 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).
37. Ryan, G. F., Rosenthal, R. N., and Berger, R. L. (1981). Napropamide and Oryzalin Effect on Simazine

Tolerance of Four Ornamental Species. *Weed Sci.* 29: 329-332.

EcoReference No.: 72269

Chemical of Concern: SZ,DBN,OYZ,NPP; Habitat: T; Effect Codes: MOR,GRO,PHY; Rejection Code: TARGET(SZ,OYZ).

38. Skalamera, D. and Heath, M. C. (1996). Cellular Mechanisms of Callose Deposition in Response to Fungal Infection or Chemical Damage. *Can.J.Bot.* 74: 1236-1242.

EcoReference No.: 94649

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

39. Skalamera, D. and Heath, M. C. (1998). Changes in the Cytoskeleton Accompanying Infection-Induced Nuclear Movements and the Hypersensitive Response in Plant Cells Invaded by Rust Fungi. *Plant J.* 16: 191-200.

EcoReference No.: 94609

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

40. Skalamera, D., Jibodh, S., and Heath, M. C. (1997). Callose Deposition During the Interaction Between Cowpea (*Vigna unguiculata*) and the Monokaryotic Stage of the Cowpea Rust Fungus (*Uromyces vignae*). *New Phytol.* 136: 511-524.

EcoReference No.: 94605

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

41. 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

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

42. Talbert, R. E., Johnson, D. H., Wichert, R. A., and Kendig, J. A. (1987). Field Evaluations of Herbicides on Small Fruit and Vegetable Crops, 1987. *Ark.Agric.Exp.Stn.Res.Ser.* 1-25.

EcoReference No.: 73744

Chemical of Concern:

HXZ,GYP,OXF,ACF,OYZ,SZ,CYC,PHMD,DEE,MBZ,DMM,ACR,BS,NPM,NPP,EFL,FZP,IMQ,C MZ,IZT,FZFPB,MTL,SXD,FSF,EPTC,TFN,BT,PAQT,TRB; Habitat: T; Effect Codes: POP; Rejection Code: NO MIXTURE(SXD,PHMD),OK TARGET(HXZ,MTL,SZ,BS),OK(ALL CHEMS),TARGET(CMZ,OYZ,FSF).

43. Talbert, R. E., Tierney, M. J., Burgos, N. R., Strebe, T. A., Curless, J. K., and Miesner, J. (1996). Field Evaluations of Herbicides on Small Fruit Vegetable and Ornamental Crops 1995. *Ark.Agric.Exp.Stn.Res.Ser.* 452: 1-38.

EcoReference No.: 73745

Chemical of Concern:

MTL,MBZ,DMM,BT,24DXY,EPTC,GYP,OYZ,DU,TPZ,OXF,ACF,TFN,CYC,CMZ,FTS,FZF,IZT,FSF,CPR,DCPA,HSF,PRM,SXD,PPP,NPP,DDP,ACO,GFSNH,PAQT,PHMD; Habitat: T; Effect Codes: PHY,POP; Rejection Code: LITE EVAL CODED(SXD,PHMD),TARGET(MTL,24DXY,CMZ,OYZ,FSF).

44. Talbert, R. E., Tierney, M. J., Burgos, N. R., Strebe, T. A., and Kitt, M. J. (1995). Field Evaluation of

Herbicides on Small Fruit, Vegetable and Ornamental Crops, 1994. *Ark.Agric.Exp.Stn.Res.Ser.* 447: 1-54.

EcoReference No.: 73916

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;

Habitat: T; Effect Codes: POP,PHY; Rejection Code: LITE EVAL CODED(MTL,PHMD),OK TARGET(MTL),NO MIXTURE(SXD),OK(ALL CHEMS),TARGET(24DXY,CMZ,OYZ,FSF).

45. 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),OK TARGET(ATZ,MTL,SZ),TARGET(24DXY,OYZ).

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

EcoReference No.: 73264

Chemical of Concern: MTL,ACR,OYZ,LNR,OXF,ATZ,MBZ,PQT; Habitat: T; Effect Codes: GRO,POP,PHY; Rejection Code: LITE EVAL CODED(MTL),TARGET(MTL,ATZ,OYZ,LNR).

47. 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(OYZ).

48. Wallace, R. W. and Bellinder, R. R. (1990). Low-Rate Applications of Herbicides in Conventional and Reduced Tillage Potatoes (*Solanum tuberosum*). *Weed Technol.* 4: 509-513.

EcoReference No.: 73817

Chemical of Concern: MTL,LNR,MBZ,DMM,OYZ; Habitat: T; Effect Codes: POP; Rejection Code: TARGET(MTL,OYZ,LNR).

49. Warmund, M. R. and Patterson, W. K. (1986). Vegetative and Fruiting Responses of Grapes to Chlorsulfuron and Oryzalin. *Hortscience* 21: 250-252.

EcoReference No.: 32488

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

50. 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

Chemical of Concern: MTL,OYZ,NPP,OXF; Habitat: T; Effect Codes: MOR,GRO; Rejection Code: LITE EVAL CODED(MTL),OK TARGET(MTL),TARGET(OYZ).

51. Whitwell, T. and Kelly, J. (1989). Effects of Preemergence Herbicides on Hosta and Daylily. *J.Environ.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),OK
TARGET(MTL),TARGET(OYZ).

52. 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; Habitat: T; Effect Codes: POP,REP,BEH; Rejection Code: LITE
EVAL CODED(OYZ).

Papers that Passed Screen for ECOTOX but not OPP

1. Ahrens, J. F. (1976). Experimental Herbicides for Field-Grown Ornamentals. *Proc.Northeast.Weed Sci.Soc.* 30: 297-302.

EcoReference No.: 40837
Chemical of Concern: SZ,OYZ,ODZ,ACR,DU,TRB,ASM,GYP,DCPA,MBZ; Habitat: T; Effect Codes: GRO,MOR,PHY,POP; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ),NO
ENDPOINT,MIXTURE(SZ).

2. Ahrens, J. F. (1974). Weed Control in Field-Grown Chrysanthemums. *Proc.Northeast.Weed Sci.Soc.* 28: 386-394.

EcoReference No.: 40639
Chemical of Concern: OYZ; Habitat: T; Effect Codes: PHY,MOR; Rejection Code: NO
ENDPOINT(OYZ).

3. Al-Rawass, B., Grolig, F., and Wagner, G. (1997). High Irradiance Blue Light Affects Cortical Microtubules in the Green Alga *Mougeotia scalaris*. *Plant Cell Physiol.* 38: 882-886.

EcoReference No.: 94611
Chemical of Concern: OYZ; Habitat: A; Effect Codes: BCM; Rejection Code: NO
ENDPOINT(OYZ).

4. Almeida, F. S., Oliveira, V. F., and Filho, J. M. (1983). Selective Control of Grass Weeds in Soybeans with Some Recently Developed Postemergence Herbicides. *Trop.Pest Manag.* 29: 261-266.

EcoReference No.: 40990
Chemical of Concern: SXD,FZFB,DFPM,OYZ; Habitat: T; Effect Codes: POP,PHY,GRO;
Rejection Code: NO CONTROL(ALL CHEMS).

5. Arnold, C. E. and Aldrich, J. H. (1980). Herbicidal Effects on Peach Seedling Growth and Weed Control. *Hortscience* 15: 293-294.

EcoReference No.: 43737
Chemical of Concern: SZ,OYZ,NPP,MTZ,ODZ; Habitat: T; Effect Codes: MOR,GRO,PHY;
Rejection Code: NO ENDPOINT,NO CONTROL(OYZ),OK TARGET(SZ).

6. Bhattacharya, G., Salem, M. M., and Werbovetz, K. A. (2002). Antileishmanial Dinitroaniline Sulfonamides with Activity Against Parasite Tubulin. *Bioorg.Med.Chem.Lett.* 12: 2395-2398.

EcoReference No.: 94935
Chemical of Concern: OYZ; Habitat: T; Effect Codes: GRO; Rejection Code: NO
CONTROL(OYZ).

7. Boldt, P. F. and Sweet, R. D. (1974). Evaluation of Herbicides on Dry and Snap Beans. *Proc.Northeast.Weed Sci.Soc.* 28: 155-160.

EcoReference No.: 41813
Chemical of Concern: OYZ,DMM,ACR,BT,MBZ,TBC; Habitat: T; Effect Codes: MOR,PHY;
Rejection Code: NO ENDPOINT,NO CONTROL(OYZ).
8. Brown, J. F. and Swingle, H. D. (1977). Herbicide Evaluation in Vegetable Crops. *Prod.South.Weed Sci.Soc.* 30: 168-175.

EcoReference No.: 40627
Chemical of Concern: OYZ,MTL,PDM,TFN,VNT,BTL; Habitat: T; Effect Codes: GRO,POP;
Rejection Code: LITE EVAL CODED(MTL),NO ENDPOINT(OYZ).
9. Brown, S. M., Chandler, J. M., and Morrison, J. E. Jr. (1987). Weed Control in a Conservation Tillage Rotation in the Texas Blacklands. *Weed Sci.* 35: 695-699.

EcoReference No.: 78601
Chemical of Concern: PPZ,OYZ,CBF,GYP,ATZ,FZF,MTL,PQT,BMN; Habitat: T; Effect Codes: POP; Rejection Code: NO CONTROL(ALL CHEMS).
10. 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
Chemical of Concern: MTL,OYZ,NFZ,ACR,BT,ACF,FZF,TFN; Habitat: T; Effect Codes: GRO,PHY; Rejection Code: NO MIXTURE(MTL,OYZ).
11. 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,IZ P,FXP; Habitat: T; Effect Codes: PHY,GRO; Rejection Code: NO ENDPOINT(ALL CHEMS).
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EcoReference No.: 94610
Chemical of Concern: OYZ,TFN,ACO; Habitat: T; Effect Codes: PHY,MOR; Rejection Code: NO ENDPOINT(TARGET-OYZ).
13. Dvorakova, K., Dorr, R. T., Gallegos, A., McClure, T., and Powis, G. (1997). Pharmacokinetic Studies of the Herbicide and Antitumor Compound Oryzalin in Mice. *J.Chromatogr.B* 696: 275-281.

EcoReference No.: 94184
Chemical of Concern: OYZ; Habitat: T; Effect Codes: ACC; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ).
14. Eleftheriou, E. P., Karagiannidou, T., Hudak, J., and Moustakas, M. (2003). Developmental Malformations of the Protophloem Sieve-Element Cell Wall in Oryzalin-Treated Roots of Wheat. *Biologia (Bratisl.)* 58: 833-841.

EcoReference No.: 82015

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

15. Eli Lilly & Co. (1992). Initial Submission: Acute Rat Oral Toxicity Study with Isouron & Oryzalin with Cover Letter Dated 080392. *EPA/OTS Doc.#88-920006213* 13 p. (NTIS/OTS 0545050).

EcoReference No.: 94376

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

16. Eli Lilly & Co. (1992). Initial Submission: Acute Rat Oral Toxicity Study with Isouron & Oryzalin with Cover Letter Dated 080392. *EPA/OTS Doc.#88-920006214* 13 p. (NTIS/OTS 0545051).

EcoReference No.: 94377

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

17. Elmore, C. L. and Humphery, W. A. (1974). Preemergence Weed Control in Ground Cover Ornamentals. *P W S Wd S* 27: 62-65.

EcoReference No.: 40643

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

18. Fenster, C. R. and Wicks, G. A. (1971). Weed Control in Field Beans in Nebraska. *P Nc Wd C C* 26: 50-52.

EcoReference No.: 40645

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

19. Francis, B. M., Lampman, R. L., and Metcalf, R. L. (1985). Model Ecosystem Studies of the Environmental Fate of Five Herbicides Used in Conservation Tillage. *Arch.Environ.Contam.Toxicol.* 14: 693-704.

EcoReference No.: 49310

Chemical of Concern: ACR,ATZ,LNR,OYZ,PAQT; Habitat: A; Effect Codes: ACC; Rejection Code: NO
ENDPOINT(ALL CHEMS).

20. Giani, S., Qin, X., Faoro, F., and Breviario, D. (1998). In Rice, Oryzalin and Absciscic Acid Differentially Affect Tubulin mRNA and Protein Levels. *Planta* 205: 334-341.

EcoReference No.: 94280

Chemical of Concern: OYZ; Habitat: T; Effect Codes: GRO,BCM; Rejection Code: NO
ENDPOINT(TARGET-OYZ).

21. Hall, L. C., Rogers, J. M., Denison, M. S., and Johnson, M. L. (2005). Identification of the Herbicide Surflan and Its Active Ingredient Oryzalin, a Dinitrosulfonamide, as Xenoestrogens. *Arch.Environ.Contam.Toxicol.* 48: 201-208.

EcoReference No.: 81386

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

22. Haramaki, C. and Kuhns, L. (1979). Chemical Weed Control in Broadleaf Evergreen Liners. *Proc.Northeast.Weed.Sci.Soc.* 33: 233-236.

EcoReference No.: 41396

- Chemical of Concern: SZ,OYZ,NPP,ACR,PMT; Habitat: T; Effect Codes: MOR,PHY; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ),OK TARGET(SZ).
23. 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; Habitat: T; Effect Codes: MOR,GRO,PHY; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ).
24. Huang, X., Fong, S., Deanovic, L., and Young, T. M. (2005). Toxicity of Herbicides in Highway Runoff. *Environ.Toxicol.Chem.* 24: 2336-2340.
- EcoReference No.: 94271
Chemical of Concern: GYP,OYZ,CPR,DU; Habitat: A; Effect Codes: MOR,POP; Rejection Code: OK(GYP,DU),NO MIXTURE(OYZ).
25. Jacques, G. L. and Harvey, R. G. (1979). Dinitroaniline Herbicide Phytotoxicity As Influenced by Soil Moisture and Herbicide Vaporization. *Weed Sci.* 27: 536-539.
- EcoReference No.: 41463
Chemical of Concern: OYZ,TFN; Habitat: T; Effect Codes: GRO; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ).
26. James, S. W. and Lefebvre, P. A. (1989). Isolation and Characterization of Dominant, Pleiotropic Drug-Resistance Mutants in *Chlamydomonas reinhardtii*. *Curr .Genet.* 15: 443-452.
- EcoReference No.: 94607
Chemical of Concern: OYZ; Habitat: A; Effect Codes: POP; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ).
27. James, S. W., Ranum, L. P. W., Silflow, C. D., and Lefebvre, P. A. (1988). Mutants Resistant to Anti-Microtubule Herbicides Map to a Locus on the Uni Linkage Group in *Chlamydomonas reinhardtii*. *Genetics* 118: 141-148.
- EcoReference No.: 94286
Chemical of Concern: OYZ; Habitat: A; Effect Codes: MOR,CEL; Rejection Code: NO CONTROL(OYZ).
28. Kagiwada, S., Nakamae, I., Kayukawa, M., and Kato, S. (2004). Cytoskeleton-Dependent Polarized Secretion of Arylsulfatase in the Unicellular Green Alga, *Chlamydomonas reinhardtii*. *Plant Sci.* 166: 1515-1524.
- EcoReference No.: 94183
Chemical of Concern: OYZ; Habitat: A; Effect Codes: BCM; Rejection Code: NO ENDPOINT(OYZ).
29. Kring, F., Couderchet, M., and Boger, P. (1995). Inhibition of Oleic Acid Incorporation into a Non-Lipid Fraction by Chloroacetamide Herbicides. *Physiol.Plant.* 95: 551-558.
- EcoReference No.: 94608
Chemical of Concern: DU,OYZ,ACR,DMM; Habitat: A; Effect Codes: BCM; Rejection Code: NO ENDPOINT(DU,OYZ).
30. Kuhns, L. J. and Haramaki, C. (1980). An Evaluation of 5 Herbicides Applied Over Liners Representing 8 Genera of Ornamental Plants. *Proc.Northeast.Weed Sci.Soc.* 34: 340-346.

EcoReference No.: 44036

Chemical of Concern: OXF,OYZ,ACR,BT; Habitat: T; Effect Codes: PHY; Rejection Code: NO
ENDPOINT,NO CONTROL(OYZ).

31. Lynn, L. B., Jones, M. L., Rogers, W. E., and Shoop, G. J. (1977). Oryzalin Applied Overtop Wheat for Weed Control in Soybeans Planted in the Stubble Following Wheat Harvest. *Proc.Northeast.Weed Sci.Soc.* 31: 46-53.

EcoReference No.: 40877

Chemical of Concern: OYZ,MBZ,LNR; Habitat: T; Effect Codes: PHY,POP; Rejection Code: NO
ENDPOINT(ALL CHEMS),MIXTURE(LNR,BMZ).

32. Mayer, F. L. Jr. and Ellersieck, M. R. (1986). Manual of Acute Toxicity: Interpretation and Data Base for 410 Chemicals and 66 Species of Freshwater Animals. *Resour.Publ.No.160, U.S.Dep.Interior, Fish Wildl.Serv., Washington, DC* 505 p. (USGS Data File).

EcoReference No.: 6797

Chemical of Concern:

EDT,RSM,SZ,24DXY,ACP,ACR,ADC,ATM,ATN,ATZ,AZ,BS,CaPS,Captan,CBF,CBL,CMPH,CQT
C,CPY,CuS,DBN,DFZ,DMB,DMT,DOD,DPDP,DS,DU,DZ,FO,GYP,HCCH,HXZ,IGS,LNR,MBZ,M
CPB,MDT,MLN,MLT,MOM,MP,MTL,NaN3,Naled,OYZ,PCP,PEB,PAQT,PRT,PSM,Folpet,PYN,C
YT,DMM,EFS,NAA,NTP,PMR,PPB,TFN,WFN,RSM,RTN,ALSV,Se,DBAC,Zn,As,MTPN,DCB,MT
AS,OXD,PEPPG,TBF,CPYM; Habitat: A; Effect Codes: MOR,PHY; Rejection Code: LITE EVAL
CODED(MTAS,MTPN,DCB,DZ,IGS,ATZ,MTL,MLT,CBF,ADC,MOM,PPB,SZ,DMT,WFN,RTN,C
uS, DOD,NaN3,DMB,RSM,CaPS,MCPB,
NaPCP,PCP,AMSV,ALSV,PRT,ATM,CQTC,ATN,DBAC),OK(ALL CHEMS),NO
CONTROL(OYZ,24DXY,DPDP,CPYM,CPY,PEPPG,MP,Naled,BS,OXD,Captan,MLN,HXZ,TBF).

33. 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(MCPB),NO
ENDPOINT(OYZ).

34. Menzel, D. (1988). Perturbation of Cytoskeletal Assemblies in Cyst Domain Morphogenesis in the Green Alga *Acetabularia*. *Eur.J.Cell Biol.* 46: 217-226.

EcoReference No.: 94606

Chemical of Concern: OYZ; Habitat: A; Effect Codes: PHY,CEL; Rejection Code: NO
CONTROL,ENDPOINT(OYZ).

35. Metcalf, R. L. and Sanborn, J. R. (1975). Pesticides and Environmental Quality in Illinois.
Il.Nat.Hist.Surv.Bull. 31: 381-436.

EcoReference No.: 37948

Chemical of Concern:

ACP,PRN,CBL,PPX,EN,HCCH,MRX,PCP,MLN,FNF,FNT,TMP,DFZ,MTPN,FTT,ADC,CPYM,CP
Y,PCH,24DXY,PHMD,MXC,DMB,ACR,ATZ,TBO,GYP,OYZ,BT,MBZ,TFN,CBF,Maneb,Zineb,AN
D,DLDDDT,HPT,TXP,CHD,PPN,Captan; Habitat: AT; Effect Codes: ACC; Rejection Code: NO
CONTROL,NO ENDPOINT(ALL CHEMS).

36. 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; Habitat: T; Effect Codes: MOR,PHY,POP; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ).
37. Moreland, D. E., Farmer, F. S., and Hussey, G. G. (1971). Inhibition of Photosynthesis and Respiration by Substituted 2,6-Dinitroaniline Herbicides. *Pest Bioc* 1: 342-353.
- EcoReference No.: 40799
Chemical of Concern: OYZ,TFN; Habitat: T; Effect Codes: BCM,PHY; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ).
38. Murphy, H. J. and Goven, M. J. (1976). Weed Control in Potatoes with Several Pre-Plant Incorporated, Preemergence, and Early Post Emergence Herbicides. *Proc.Northeast.Weed Sci.Soc.* 30: 235-238.
- EcoReference No.: 40816
Chemical of Concern: OYZ,DMM,MBZ; Habitat: T; Effect Codes: MOR,PHY; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ).
39. Murphy, H. J. and Goven, M. J. (1974). Weed Control in White Potatoes in Maine--1973. *Proc.Northeast.Weed Sci.Soc.* 28: 287-295.
- EcoReference No.: 40878
Chemical of Concern: OYZ,DMM,LNR,MBZ; Habitat: T; Effect Codes: GRO,MOR; Rejection Code: NO ENDPOINT(OYZ).
40. Naqvi, S. M. and Leung, T. S. (1983). Trifluralin and Oryzalin Herbicides Toxicities to Juvenile Crawfish (*Procambarus clarkii*) and Mosquitofish (*Gambusia affinis*). *Bull.Environ.Contam.Toxicol.* 31: 304-308.
- EcoReference No.: 10092
Chemical of Concern: OYZ,TFN; Habitat: A; Effect Codes: MOR; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ).
41. Parochetti, J. V. (1975). Weed Control in Soybeans with Metribuzin and Combinations with Other Herbicides. *Proc.Northeast.Weed Sci.Soc.* 29: 28-35.
- EcoReference No.: 40624
Chemical of Concern: OYZ,MBZ,DMM,ACR,MTL; Habitat: T; Effect Codes: MOR,GRO,PHY,POP,CEL; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ),NO ENDPOINT(MBZ,DMM,ACR,MTL).
42. Poulsen, N. C., Spector, I., Spurck, T. P., Schultz, T. F., and Wetherbee, R. (1999). Diatom Gliding is the Result of an Actin-Myosin Motility System. *Cell Motil.Cytoskelet.* 44: 23-33.
- EcoReference No.: 94350
Chemical of Concern: OYZ; Habitat: A; Effect Codes: BEH; Rejection Code: NO ENDPOINT(OYZ).
43. Quader, H. and Filner, P. (1980). The Action of Antimitotic Herbicides on Flagellar Regeneration in *Chlamydomonas reinhardtii*: A Comparison with the Action of Colchicine. *Eur.J.Cell Biol.* 21: 301-304.
- EcoReference No.: 6608
Chemical of Concern: TFN,OYZ; Habitat: A; Effect Codes: PHY,GRO; Rejection Code: NO ENDPOINT(OYZ).

44. Renaud, A., Poinso-Balaguer, N., Cortet, J., and Le Petit, J. (2004). Influence of Four Soil Maintenance Practices on Collembola Communities in a Mediterranean Vineyard. *Pedobiologia* 48: 623-630.
- EcoReference No.: 94307
Chemical of Concern: OYZ,GYP,TBZ,DU; Habitat: T; Effect Codes: POP; Rejection Code: OK(GYP),NO MIXTURE(OYZ,DU).
45. Ritter, R. L. and Kaufman, L. M. (1989). Giant Foxtail (*Setaria faberi*) Control in Full-Season No-Till Soybeans (*Glycine max*). *Weed Technol.* 3: 151-154.
- EcoReference No.: 74047
Chemical of Concern: MTL,OYZ,ACR,CZE,LNR,PAQT; Habitat: T; Effect Codes: POP; Rejection Code: NO ENDPOINT,CONTROL,TARGET(MTL,OYZ,LNR).
46. Robinson, D. G. and Herzog, W. (1977). Structure, Synthesis and Orientation of Microfibrils. III. A Survey of the Action of Microtubule Inhibitors on Microtubules and Microfibril Orientation in *Oocystis solitaria*. *Cytobiologie* 15: 463-474.
- EcoReference No.: 92137
Chemical of Concern: PZM,DCPA,OYZ,TFN; Habitat: A; Effect Codes: CEL,BCM; Rejection Code: NO ENDPOINT(PZM,OYZ).
47. Schibler, M. J. and Huang, B. (1991). The ColR4 and ColR15 Beta-Tubulin Mutations in *Chlamydomonas reinhardtii* Confer Altered Sensitivities to Microtubule Inhibitors and Herbicides by Enhancing Microtubule Stability. *J.Cell Biol.* 113: 605-614.
- EcoReference No.: 91769
Chemical of Concern: OYZ,TFN,BFL,PZM; Habitat: A; Effect Codes: POP,BCM,CEL; Rejection Code: NO CONTROL,ENDPOINT(OYZ,PZM).
48. Selleck, G. W. and Sanok, W. J. (1979). Evaluation of Herbicides for Weed Control in Cabbage. *In: Proc.Northeast.Weed Sci.Soc.* 33: 158-160.
- EcoReference No.: 41399
Chemical of Concern: OYZ,ACR,MTL; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ),NO ENDPOINT(ACR,MTL).
49. Snel, M., Gramlich, J. V., Washbrooke, P. F., Brandes, H., Doehler, R., Muggenberger, F., and Jacob, L. (1974). Oryzalin, A New Pre-Emergence Herbicide for Rapeseed, Soybeans, and Some Other Crops. *Med Rijk Lg* 39: 523-536.
- EcoReference No.: 43415
Chemical of Concern: OYZ,ACR,TFN; Habitat: T; Effect Codes: MOR; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ).
50. St.John, J. B. and Hilton, J. L. (1973). Lipid Metabolism As A Site of Herbicide Action. *Weed Sci.* 21: 477-480.
- EcoReference No.: 25360
Chemical of Concern: OYZ,TFN,AMTL,PCL; Habitat: T; Effect Codes: PHY,BCM,GRO; Rejection Code: NO ENDPOINT(ALL CHEMS).
51. Stokkermans, T. J. W., Schwartzman, J. D., Keenan, K., Morrisette, N. S., Tilney, L. G., and Roos, D. S. (1996). Inhibition of *Toxoplasma gondii* Replication by Dinitroaniline Herbicides. *Exp.Parasitol.* 84: 355-370.

EcoReference No.: 94281

Chemical of Concern: OYZ,EFL,TFN; Habitat: A; Effect Codes: POP,CEL,BCM; Rejection Code: NO ENDPOINT(OYZ,TFN).

52. Tanaka, Y. and Noguchi, T. (2000). Cytoskeleton Mediating Transport Between the ER System and the Golgi Apparatus in the Green Alga *Scenedesmus acutus*. *Eur.J.Cell Biol.* 79: 750-758.

EcoReference No.: 94664

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

53. Upadhyaya, M. K. and Nooden, L. D. (1977). Mode of Dinitroaniline Herbicide Action. I. Analysis of the Colchicine-Like Effects of Dinitroaniline Herbicides. *Plant Cel P* 18: 1319-1330.

EcoReference No.: 41568

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

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

EcoReference No.: 41050

Chemical of Concern: OYZ,DMM,MBZ,MTL,PRT,TBO,ACF,TXP,ADC,IAA; Habitat: T; Effect Codes: GRO,PHY,POP; Rejection Code: LITE EVAL CODED(MTL,PRT),OK TARGET(ADC),OK(DMM,MBZ,TBO,ACF,TXP,IAA),NO ENDPOINT(OYZ).

55. Watson, M. C., Bartels, P. G., and Hamilton, K. C. (1980). Action of Selected Herbicides and Tween 20 on Oat (*Avena sativa*) Membranes. *Weed Sci.* 28: 122-127 .

EcoReference No.: 43329

Chemical of Concern: GYP,OYZ,ACR,DMB,TFN,PCL; Habitat: T; Effect Codes: BCM; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ),OK TARGET(DMB),OK(GYP,ACR,TFN,PCL).

56. Weatherspoon, D. M. and Currey, W. L. (1975). Herbicide Evaluations for Woody Ornamentals in Containers. *Proc.South.Weed Sci.Soc.* 28: 205-214.

EcoReference No.: 41432

Chemical of Concern: OYZ,NPP,ACR,TFN; Habitat: T; Effect Codes: GRO; Rejection Code: NO ENDPOINT,NO CONTROL(OYZ).

57. Whitcomb, C. E. and Butler, J. F. (1975). Performance of Trifluralin, Nitralin, and Oryzalin in Nursery Containers. *J Am S Hort* 100: 225-229.

EcoReference No.: 44005

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

58. Yoshida, K., Inoue, N., Sonobe, S., and Shimmen, T. (2003). Involvement of Microtubules in Rhizoid Differentiation of *Spirogyra* Species. *Protoplasma* 221: 227-235.

EcoReference No.: 91775

Chemical of Concern: PZM,OYZ; Habitat: A; Effect Codes: CEL,BCM; Rejection Code: NO ENDPOINT(PZM,OYZ).

Papers Excluded from ECOTOX

1. Abdrakhimova, Y. R., Khokhlova, L. P., Abdrakhmanova, A. F., and Abdrakhimov, F. A. (2000). Influence of Cytoskeletal Agents on the Respiratory Electron Transport Pathways in the Cells of Winter Wheat Leaves. *Cell Biology International*, 24 (6) pp. 393-397, 2000.
Rejection Code: IN VITRO.
2. Ackers, D., Buchen, B., Hejnowicz, Z., and Sievers, A. (2000). The Pattern of Acropetal and Basipetal Cytoplasmic Streaming Velocities in Chara Rhizoids and Protonemata, and Gravity Effect on the Pattern as Measured by Laser-Doppler-Velocimetry. *Planta*, 211 (1) pp. 133-143, 2000.
Rejection Code: IN VITRO.
3. Adams, V. D., Watts, R. J., and Pitts, M. E. (1985). Organics. *J water pollut control fed* 57: 463-493.
Rejection Code: NO TOX DATA.
4. Agnihotri, N. P. and Barooah, A. K. (1994). Bound Residues of Pesticides in Soil and Plant a Review. *Journal of scientific and industrial research (india)* 53: 850-861.
Rejection Code: REVIEW.
5. Alsop, William R. and Moreland, Donald E. (1975). Effects of herbicides on the light-activated, magnesium-dependent ATPase of isolated spinach (*Spinacia oleracea* L.) chloroplasts. *Pesticide Biochemistry and Physiology* 5: 163-170.
Rejection Code: IN VITRO.
6. Anon (Guidance for the Reregistration of Pesticide Products Containing Orzyalin as the Active Ingredient. *Govt reports announcements & index (gra&i)*, issue 10, 1990.
Rejection Code: REVIEW.
7. Anon (Pesticide Fact Sheet Number 211: Oryzalin. *Govt reports announcements & index (gra&i)*, issue 10, 1990.
Rejection Code: NO TOX DATA.
8. Anon (Red Facts: Oryzalin. *Govt reports announcements & index (gra&i)*, issue 11, 1995.
Rejection Code: REVIEW.
9. Anon (Reregistration Eligibility Decision (Red): Oryzalin. *Govt reports announcements & index (gra&i)*, issue 09, 1995.
Rejection Code: HUMAN HEALTH.
10. Anonymous (Dinitroaniline Herbicides. Comparative Summary. *Chemosphere* 9(1): 67-69 1980 (19 references).
Rejection Code: REVIEW.
11. Anonymous (Epa Herbicide Probe Finds No Adverse Effects. *Chem. Mark. Rep.* 217(11): 3, 32 1980.
Rejection Code: HUMAN HEALTH.
12. Anonymous (Union Seeks Ban on Eli Lilly Herbicide. *Chem. Week* 125(20): 28 1979.
Rejection Code: HUMAN HEALTH.
13. Appleby, A. P. and Valverde, B. E. (1989). Behavior of Dinitroaniline Herbicides in Plants. *Weed technol* 3: 198-206.
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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.