

APPENDIX J: OPEN LITERATURE (ECOTOX) - STUDIES INCLUDED IN ECOTOX BUT REJECTED BY EFED/OPP SCREENING

ALDICARB

Papers Accepted for ECOTOX but Rejected by EFED, By Rejection Code

LITE EVAL CODED(CBF)

Balcomb, R., Stevens, R., and Bowen II, C. (1984). Toxicity of 16 Granular Insecticides to Wild-Caught Songbirds. *Bull. Environ. Contam. Toxicol.* 33: 302-307.

Robel, R. J., Felthousen, R. W., and Dayton, A. D. (1982). Effects of Carbamates on Bobwhite Food Intake, Body Weight, and Locomotor Activity. *Arch. Environ. Contam. Toxicol.* 11: 611-615.

LITE EVAL CODED(MTL)

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

NO ABSTRACT,ENDPOINT

Ali, S. M., Ilyas, R., and Mokashi, N. V. (1985). Oxygen Consumption of Fish *Channa gachua* Hamilton After Exposure to Dimecron and Aldicarb. *C.A.Sel.-Environ. Pollut.* 19: 105-92707Y (1986) / *Geobios (Jodhpur)* 12: 107-111.

NO CONTROL

Briggs, G. G. and Lord, K. A. (1983). The Distribution of Aldicarb and Its Metabolites Between *Lumbricus terrestris*, Water and Soil. *Pestic.Sci.* 14: 412-416.

Coppedge, J. R., Lindquist, D. A., Bull, D. L., and Dorough, H. W. (1967). Fate of 2-Methyl-2-(Methylthio)Propionaldehyde O-(Methylcarbamoyl)Oxime (Temik) in Cotton Plants and Soil. *J.Agric.Food Chem.* 15: 902-910.

Dorough, H. W., Davis, R. B., and Ivie, G. W. (1970). Fate of Temik-Carbon-14 in Lactating Cows During a 14-Day Feeding Period. *J.Agric.Food Chem.* 18: 135-142.

El-Alfy, A. T., Bernache, E., and Schlenk, D. (2002). Gender Differences in the Effect of Salinity on Aldicarb Uptake, Elimination, and In Vitro Metabolism in Japanese Medaka, *Oryzias latipes*. *Aquat.Toxicol.* 61: 225-232.

Hudson, R. H., Haegele, M. A., and Tucker, R. K. (1979). Acute Oral and Percutaneous Toxicity of Pesticides to Mallards: Correlations with Mammalian Toxicity Data. *Toxicol.Appl.Pharmacol.* 47: 451-460.

Magnin, M., Marboutin, E., and Pasteur, N. (1988). Insecticide Resistance in *Culex quinquefasciatus* (Diptera: Culicidae) in West Africa. *J.Med.Entomol.* 25: 99-104.

Pant, S. C. and Kumar, S. (1981). Toxicity of Temik (Aldicarb) for a Fresh Water Teleost, *Barbus conchoniis* Hamilton. *Experientia (Basel)* 37: 1327-1328.

Schlenk, D. and El-Alfy, A. (1998). Expression of Branchial Flavin-Containing Monooxygenase is Directly

Correlated with Salinity-Induced Aldicarb Toxicity in the Euryhaline Fish (*Oryzias latipes*).
Mar. Environ. Res. 46: 103-106.

Tuncbilek, A. S., Aysal, P., and Halitligil, M. B. (1997). Loss of label During Processing Cotton Oil Grown with 14C-Aldicarb. *Bull. Environ. Contam. Toxicol.* 58: 213-218.

NO CONTROL(ALL CHEMS)

Cope, O. B. (1965). Sport Fishery Investigations. In: *Fish and Wildl. Serv. Ctr. 226, Effects of Pesticides on Fish and Wildlife - 1964 Research Findings of the Fish and Wildlife Service, Washington, D.C.* 51-63 (Publ in Part As 6797).

NO CONTROL,ENDPOINT

Kathpal, T. S., Singh, G., Yadav, G. S., Jaglan, R. S., and Malik, Y. S. (1988). Aldicarb Residues in Soil and Their Translocation into Potato (*Solanum tuberosum*) Tubers. *Indian J. Agric. Sci.* 58: 868-870.

Schlenk, D., Erickson, D. A., Lech, J. J., and Buhler, D. R. (1992). The Distribution, Elimination, and In Vivo Biotransformation of Aldicarb in the Rainbow Trout (*Oncorhynchus mykiss*). *Fundam. Appl. Toxicol.* 18: 131-136.

Steurbaut, W., Heungens, A., Melkebeke, G., Verstraeten, R., and Dejonckheere, W. (1986). The Fate of Oxamyl and Aldicarb in Azalea Leaves After Different Application Methods in Greenhouses. *Meded. Fac. Landbouwwet. Rijksuniv. Gent* 51: 205-210.

Wang, J., Grisle, S., and Schlenk, D. (2001). Effects of Salinity on Aldicarb Toxicity in Juvenile Rainbow Trout (*Oncorhynchus mykiss*) and Striped Bass (*Morone saxatilis x chrysops*). *Toxicol. Sci.* 64: 200-207.

NO ENDPOINT

Albelda, C., Pico, Y., Molto, J. C., Font, G., and Manes, J. (1995). Evaluation of the Fate of Aldicarb and Its Metabolites in Oranges. *Int. J. Environ. Anal. Chem.* 58: 315-326.

Andrawes, N. R., Romine, R. R., and Bagley, W. P. (1973). Metabolism and Residues of Temik Aldicarb Pesticide in Cotton Foliage and Seed Under Field Conditions. *J. Agric. Food Chem.* 21: 379-386.

Boling, J. C. and HacsKaylo, J. (1966). Effect of the Systemic Insecticide UC 21149 and Four Pre-emergence Herbicides on Cotton Seedlings. *J. Econ. Entomol.* 59: 1026-1027.

Bunyan, P. J., Van den Heuvel, M. J., Stanley, P. I., and Wright, E. N. (1981). An Intensive Field Trial and a Multi-site Surveillance Exercise on the Use of Aldicarb to Investigate Methods for the Assessment of Possible Environmental Hazards Presented by New Pesticides. *Agro-Ecosystems* 7: 239-262.

Cobb, G. P., Harper, F. D., and Weisskopf, C. P. (2001). Nonlethal Method for Forensic Evaluation of Aldicarb Exposure in Wildlife. *Arch. Environ. Contam. Toxicol.* 40: 77-88.

El-Morshedy, M. M. and Aziz, N. H. (1995). Effects of Fenamiphos, Carbofuran, and Aldicarb on Zearalenone Production by Toxigenic *Fusarium* spp. Contaminating Roots and Fruits of Tomato. *Bull. Environ. Contam. Toxicol.* 54: 514-518.

Gill, T. S., Pande, J., and Tewari, H. (1990). Hepatopathotoxicity of Three Pesticides in a Freshwater Fish, *Puntius conchoni* (Ham.). *J. Environ. Sci. Health* 25: 653-663.

- Grout, T. G., Richards, G. I., and Stephen, P. R. (1997). Further Non-target Effects of Citrus Pesticides on *Euseius addoensis* and *Euseius citri* (Acari: Phytoseiidae). *Exp.Appl.Acarol.* 21: 171-177.
- Hicks, B. W., Dorough, H. W., and Mehendale, H. M. (1972). Metabolism of Aldicarb Pesticide in Laying Hens. *J.Agric.Food Chem.* 20: 151-156.
- Koehler, H. H. (1992). The Use of Soil Mesofauna for the Judgement of Chemical Impact on Ecosystems. *Agric.Ecosyst.Environ.* 40: 193-205.
- Kuseske, D. W., Funke, B. R., and Schulz, J. T. (1974). Effects and Persistence of Baygon (Propoxur) and Temik (Aldicarb) Insecticides in Soil. *Plant Soil* 41: 255-269.
- Mallison III, S. M. and Cannon, R. E. (1984). Effects of Pesticides on Cyanobacterium *Plectonema boryanum* and Cyanophage LPP-1. *Appl.Environ.Microbiol.* 47: 910-914.
- Mohamed, O. S. A. and Adam, S. E. I. (1990). The Effects of Temik and Sumicidin and Their Mixture of Nubian Goats. *Vet.Hum.Toxicol.* 32: 464-467.
- Parker, M. L. and Goldstein, M. I. (2000). Differential Toxicities of Organophosphate and Carbamate Insecticides in the Nestling European Starling (*Sturnus vulgaris*). *Arch.Environ.Contam.Toxicol.* 39: 233-242.
- Powell, C. C., Riedel, R. M., and Walter, V. R. (1975). The Effect of Aldicarb on *Aphelenchoides fragariae* on Rieger Begonia. *Plant Dis.Rep.* 59: 370-372.
- Reddy, V. R., Reddy, K. R., and Wang, Z. (1997). Temperature and Aldicarb Effects on Cotton Root Growth and Development. *Biotronics* 26: 1-11.
- Short, D. E. and Mcconnell, D. B. (1974). Pesticide Phytotoxicity to Ornamental Plants. *Proc.Fla.State Horic.Soc.* 86: 439-442.
- Texier, C., Cluzeau, D., Seux, R., and Trehen, P. (1995). Influence of Aldicarb Kinetics on Earthworm Activities in Experimental Microcosms. *Acta Zool.Fenn.* 196: 290-296.
- Weidemann, G. (1993). Ecological Risk Assessment and the Regulation of Chemicals. II. Consequences of Effect Analysis in Terrestrial Ecosystems. *Sci.Total Environ.* 1669-1677.
- Woodham, D. W., Reeves, R. G., and Edwards, R. R. (1973). Total Toxic Aldicarb Residues in Weeds, Grasses, and Wildlife from the Texas High Plains Following a Soil Treatment with the Insecticide. *J.Agric.Food Chem.* 21: 604-607.

NO ENDPOINT (ADC,MOM,CST)

- Schafer, E. W. and Bowles, W. A. (1985). Acute Oral Toxicity and Repellency of 933 Chemicals to House and Deer Mice. *Arch.Environ.Contam.Toxicol.* 14: 111-129.

NO ENDPOINT(ADC)

- Barnard, A. J., McEwen, J., Hornby, D., and Beane, J. (1989). Effects of Aldicarb, Benomyl, Dazomet, Permethrin, Pirimicarb, Phorate and Nitrogen Fertilizer on Maize (*Zea mays*) Grown for 14 Consecutive Years on the Same Site. *J.Agric.Sci.* 112: 339-349.

NO ENDPOINT(ALL CHEMS)

Archer, T. E. and Gauer, W. O. (1985). Residues of Five Pesticides in Field-Treated Alfalfa Seeds and Alfalfa Sprouts. *J. Environ. Sci. Health Part B* 20: 445-456.

Perry, R. N. and Beane, J. (1989). Effects of Certain Herbicides on the In Vitro Hatch of *Globodera rostochiensis* and *Heterodera schachtii*. *Rev. Nematol.* 12: 191-196.

Smith, F. F., Ota, A. K., and Boswell, A. L. (1970). Insecticides for Control of the Greenhouse Whitefly. *J. Econ. Entomol.* 63: 522-527.

Wu, F. F., Stachyra, A., and Viglierchio, D. R. (1992). The Capacity of Soil Microbial Isolates from Non-fumigant Nematicide Stressed *Heterodera schachtii* Greenhouse Culture Stocks to Inactive Non-fumigant Nematicides. *Fundam. Appl. Nematol.* 15: 193-200.

York, A. C., Jordan, D. L., and Frans, R. E. (1991). Insecticides Modify Cotton (*Gossypium hirsutum*) Response to Clomazone. *Weed Technol.* 5: 729-735.

NO ENDPOINT(CBF,ADC,MOM)

Thompson, A. R. and Gore, F. L. (1972). Toxicity of Twenty-Nine Insecticides to *Folsomia candida*: Laboratory Studies. *J. Econ. Entomol.* 65: 1255-1260.

NO ENDPOINT,CONTROL

Carter, F. L. and Graves, J. B. (1972). Measuring Effects of Insecticides on Aquatic Animals. *La. Agric.* 16: 14-15.

NO FOREIGN

Areekul, S. (1986). Toxicity to Fishes of Insecticides Used in Paddy Fields and Water Resources. I. Laboratory Experiment. *Kasetsart J.* 20: 164, 178 (Thi) (Eng Abs); C.A.Sel.-Environ.Pollut.12:106-190732T (1987).

Chen, X. and Sun, A. (1986). Toxicity Test of Aldicarb on *Garassius anralus* L. *C.A.Sel.-Environ.Pollut.* 25:105-204415K / *Huanjing Kexue* 7: 26-28 (CHI).

Malkomes, H. P., Steudel, W., and Thielemann, R. (1977). Einfluss Langjahriger Anwendung von TEMIK 10 G (Aldicarb) in einer Zuckerruben-Monokultur auf Bodenorganismen. *Sonderdruck aus dem Nachrichtenblatt des Deutschen Pflanzenschutzdienstes* 29: (OECDG Data File).

NO MIXTURE(ADC)

Gill, T. S., Pande, J., and Tewari, H. (1991). Individual and Combined Toxicity of Common Pesticides to Teleost *Puntius conchonus* Hamilton. *Indian J. Exp. Biol.* 29: 145-148.

Smith, G. S., Niblack, T. L., and Minor, H. C. (1991). Response of Soybean Cultivars to Aldicarb in *Heterodera glycines*-Infested Soils in Missouri. *J. Nematol.* 23: 693-698.

NO MIXTURE(ADC,DMT)

Jordan, D. L., Frans, R. E., and McClelland, M. R. (1993). DPX-PE350 does not Interact with Early-Season Insecticides in Cotton (*Gossypium hirsutum*). *Weed Technol.* 7: 92-96.

NO MIXTURE(MBZ,ATZ,ES,HCCH,DLD,ADC)

Christin, M. S., Menard, L., Gendron, A. D., Ruby, S., Cyr, D., Marcogliese, D. J., Rollins-Smith, L., and Fournier,

M. (2004). Effects of Agricultural Pesticides on the Immune System of *Xenopus laevis* and *Rana pipiens*. *Aquat.Toxicol.* 67: 33-43.

TARGET(DMT)

Al-Deeb, M. A., Wilde, G. E., and Zhu, K. Y. (2001). Effect of Insecticides Used in Corn, Sorghum, and Alfalfa on the Predator *Orius insidiosus* (Hemiptera: Anthocoridae). *J.Econ.Entomol.* 94: 1353-1360.