

## 8. REFERENCES

- \*Abalis IM, Eldefrawi ME, Eldefrawi AT. 1986. Effects of insecticides on GABA-induced chloride influx into rat brain microsacs. *J Toxicol Environ Health* 18:13-23.
- ACGIH. 1986. Documentation of the threshold limits values and biological exposure indices. 5th ed. American Conference of Governmental Industrial Hygienists. Cincinnati, OH, 230.
- \*ACGIH. 1998a. 1998 TLVs and BEIs. Threshold limit values for chemical substances and physical agents. American Conference of Governmental Industrial Hygienists. Cincinnati, OH.
- ACGIH. 1998b. Documentation of the threshold limit values for chemical substances and physical agents and biological exposure indices. American Conference of Governmental Industrial Hygienists. Cincinnati, OH.
- ACGIH 1999. TLVs and BEIs. Threshold limit values for chemical substances and physical agents. American Conference of Governmental Industrial Hygienists. Cincinnati, OH.
- Adams JF. 1978. Mutagenicity of some environmental chemicals in salmonella test systems without microsomal activation. *Mutat Res* 53:142-143.
- \*Adinolfi M. 1985. The development of the human blood-CSF-brain barrier. *Devl Med Child Neurol* 27:532-537.
- \*Agarwal DK, Seth PK, Gupta PK. 1978. Effect of endosulfan on drug metabolizing enzymes and lipid peroxidation in rat. *J Environ Sci Health C13(1):49-62.*
- \*Agrawal AK, Anand M, Zaidi NF, et al. 1983. Involvement of serotonergic receptors in endosulfan neurotoxicity. *Biochem Pharmacol* 32:3591-3593.
- Agnihotri NP, Awasthi MD, Jain HK. 1980. Residue evaluation of different plant and grain protection schedules. *Pesticides* 14:3-11.
- Akey DH, Hennenberry TJ. 1998. Control of silverleaf whitefly with the entomopathogenic fungi, *paecilomyces fumosoroseus* and *Beauveria bassiana* in upland cotton in Arizona. *Proceedings of the Beltwide Cotton Conference* 2:1073-1077.
- \*Alabama Department of Environmental Management. 1998. Rules and Regulations. Water Quality Program. <http://www.adem.state.al.us/>
- \*Aldercreutz H. 1995. Phytoestrogens: Epidemiology and a possible role in cancer protection. *Environ Health Perspect Suppl* 103(7):103-112.
- \*Aleksandrowicz DR. 1979. Endosulfan poisoning and chronic brain syndrome. *Arch Toxicol* 43:65-68.

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\*Cited in text

## 8. REFERENCES

- \*Altman PK, Dittmer DS. 1974. In: Biological handbooks: Biology data book, Volume III, Second Edition. Bethesda, MD: Federation of American Societies for Experimental Biology, 1987-2008, 2041.
- \*Anand M, Akveld AC, Sexena PR. 1981. Effect of a neurotic pesticide, endosulfan, on tissue blood flow in cats, including regional cerebral circulation. *Vet Hum Toxicol* 23:252-258.
- Anand M, Gopal K, Agrawal C, et al. 1986. Endosulfan induced inhibition of 3H 5-hydroxytryptamine uptake in platelets. *Toxicol Lett* 32:203-208.
- \*Anand M, Gopal K, Mehrotra S, et al. 1987. Ocular toxicity of organochlorinated pesticides in rabbits. *Journal Toxicol--Cut and Ocular Toxicol* 6:161-171.
- \*Anand M, Khanna RN, Gopal K, et al. 1980b. Effect of endosulfan in bioelectrical activity of brain in rats. *Vet Hum Toxicol* 22:385-387.
- Anand M, Khanna RN, Misra D. 1980a. Electrical activity of brain in endosulfan toxicity. *Indian J Pharmacol* 12:229-235.
- \*Andersen HR, Andersson AM, Arnold SF, et al. 1999. Comparison of short-term estrogenicity tests for identification of hormone-disrupting chemicals. *Environ Health Perspect* 107(Suppl 1):89-108.
- \*Andersen ME, Krishnan K. 1994. Relating *in vitro* to *in vivo* exposures with physiologically-based tissue dosimetry and tissue response models. In: H. Salem, ed. Current concepts and approaches on animal test alternatives. U.S. Army Chemical Research Development and Engineering Center, Aberdeen Proving Ground, Maryland.
- \*Andersen ME, MacNaughton MG, Clewell HJ, et al. 1987. Adjusting exposure limits for long and short exposure periods using a physiological pharmacokinetic model. *Am Ind Hyg Assoc J* 48(4):335-343.
- \*Ansari RA, Husain K, Gupta PK. 1987. Endosulfan toxicity influence on biogenic amines of rat brain. *J Environ Biol* 8:229-236.
- \*Ansari RA, Siddiqui MKJ, Gupta PK. 1984. Toxicity of endosulfan: Distribution of alpha- and beta-isomers of racemic endosulfan following oral administration in rats. *Toxicol Lett* 21:29-33.
- Antonious GF, Byers ME. 1997. Fate and movement of endosulfan under field conditions. *Environ Toxicol Chem* 16(4):644-649.
- \*Antonious GF, Byers ME, Snyder JC. 1998. Residues and fate of endosulfan on field-grown pepper and tomato. *Pestic Sci* 54:61-67.
- Araujo ACP, Teiles DL, Gorni R, et al. 1999. Endosulfan residues in Brazilian tomatoes and their impact on public health and the environment. *Bull Environ Contam Toxicol* 62:671-676.
- \*Arcaro KF, Vakharia DD, Yang Y, et al. 1998. Lack of synergy by mixtures of weakly estrogenic hydroxylated polychlorinated biphenyls and pesticides. *Environ Health Perspect* 106(Suppl. 4):1041-1046.
- \*Archer TE. 1973. Endosulfan residues on alfalfa hay exposed to drying by sunlight, ultraviolet light and air. *Pestic Sci* 4:59-68.

## 8. REFERENCES

- \*Archibald BA, Solomon KR, Stephenson GR. 1994a. Fluorescent tracer and pesticide penetration through selected protective clothing. *Bull Environ Contam Toxicol* 53(4):479-485.
- \*Archibald BA, Solomon KR, Stephenson GR. 1994b. Survey of pesticide use by Ontario greenhouse chrysanthemum producers. *Bull Environ Contam Toxicol* 53(4):486-492.
- \*Arizona Department of Health Services. 1999. Environmental Health. Groundwater health-based guidance levels. (HGBLs). <http://www.hs.state.az.us/>
- \*Arrebola FJ, Martinex Vidal JL, et al. 1999. Excretion study of endosulfan in urine of a pest control operator. *Toxicol Lett* 107:15-20.
- \*Aschengrau A, Coogan PF, Quinn MM, et al. 1998. Occupational exposure to estrogenic chemicals and the occurrence of breast cancer: An exploratory analysis. *Am J Ind Med* 34:6-14.
- Aslanyan GT, Mirzoyan MA. 1987. [Effect of endosulfan isomers and major metabolites on liver monooxygenases.] *Biol Zh Arm* 40:864-866. (Russian)
- \*ATSDR. 1989. Decision guide for identifying substance-specific data needs related to toxicological profiles. Agency for Toxic Substances and Disease Registry, Division of Toxicology, Atlanta, GA.
- ATSDR/CDC. 1990. Summary Report: Subcommittee report on biological indicators of organ damage and dysfunction. Agency for Toxic Substances and Disease Registry, Centers for Disease Control and Prevention, Atlanta, GA.
- \*Awasthi N, Manickam N, Kumar A. 1997. Biodegradation of endosulfan by a bacterial coculture. *Bull Environ Contam Toxicol* 59(6):928-934.
- \*Balasubramaniam E, Paul V, Jayakumar AR, et al. 1996. The effect of chronic cyclodiene insecticide treatment on some pharmacological actions of diazepam in rats. *Environ Toxicol and Pharm*(2):141-146.
- Balinova AM, Mondesky M. 1999. Pesticide contamination ground and surface water in Bulgarian Danube Plain. *J Environ Sci Health B* 34(1):33-46.
- \*Banerjee BD, Hussain QZ. 1986. Effect of sub-chronic endosulfan exposure on humoral and cell-mediated immune responses in albino rats. *Arch Toxicol* 59:279-284.
- \*Banerjee BD, Hussain QZ. 1987. Effects of endosulfan on humoral and cell-mediated immune responses in rats. *Bull Environ Contam Toxicol* 38:435-441.
- Barnes D, Bellin J, DeRosa C, et al. 1988. Reference dose (RfD): Description and use in health risk assessments. Vol. I, Appendix A: Integrated risk information system supportive documentation. U.S. Environmental Protection Agency, Office of Health and Environmental Assessment. EPA 600/8-86-032a.
- \*Barnes DG, Dourson M. 1988. Reference dose (RfD): Description and use in health risk assessments. U.S. Environmental Protection Agency. *Regul Toxicol Pharmacol* 8:471-486.
- \*Barooah I, Murthy PS, Mukherjee SK. 1980. Nature of endosulfan induced blood sugar lowering. *Indian J Exp Biol* 18:1446-1447.

## 8. REFERENCES

- Barry MJ, Logan DC. 1998. The use of temporary pond microcosms for aquatic toxicity testing: direct and indirect effects of endosulfan on community structure. *Aquat Toxicol* 41:101-124.
- \*Beard JE, Ware GW. 1969. Fate of endosulfan on plants and glass. *J Agric Food Chem* 17:216-220.
- \*Beck EW, Johnson JC Jr, Woodham DW, et al. 1966. Residues of endosulfan in meat and milk of cattle fed treated forages. *J Econ Entomol* 59:1444-1450.
- \*Bennett DA, Chung AC, Lee SM. 1997. Multiresidue method for analysis of pesticides in liquid whole milk. *J AOAC Int* 80(5):1065-1077.
- \*Berger GS. 1994. Epidemiology of endometriosis. In: Berger GS, ed. *Endometriosis: Advanced Management and surgical techniques*. New York, NY: Springer-Verlag.
- \*Bernardelli BC, Gennari MC. 1987. Death caused by ingestion of endosulfan. *J Forensic Sci* 32:1109-1112.
- \*Berry MR, Johnson LS, Jones JW, et al. 1997. Dietary characterizations in a study of human exposures in the lower Rio Grande Valley: I. Foods and beverages. *Environment International* 23(5):675-692.
- \*Bhatia A, Thind H, Kaur J. 1998. Effect of endosulfan on numerical values and functions of mice cells involved in immune response. *J Ecotoxicol Environ Monit* 8(3):257-261.
- \*Bidleman TF. 1981. Interlaboratory analysis of high molecular weight organochlorines in ambient air. *Atmos Environ* 15:619-624.
- \*Bidleman TF. 1988. Atmospheric processes. Wet and dry deposition of organic compounds are controlled by their vapor-particle partitioning. *Environ Sci Technol* 22(4):361-367.
- Bishop CA, Boermans HJ, Ng P, et al. 1998. Health of tree swallows *Tachycineta Bicolor* nesting in pesticide-sprayed apple orchards in Ontario, Canada. I. Immunological parameters. *J Toxicol Environ Health Part A* 55:531-559.
- Blais JM, Schindler DW, Muir DCG, et al. 1998. Accumulation of persistent organochlorine compounds in mountains of western Canada. *Nature* 395:585-588.
- \*Blanco-Coronado JL, Repetto M, Ginestal RJ, et al. 1992. Acute intoxication by endosulfan. *J Clin Toxicol* 30(4):575-583.
- \*BNA. 1998. BNA's Environmental Library on CD Windows (ELCD). States and Territories. Folio Infobase. The Bureau of National Affairs, Inc. 123125th Street, NW. Washington, DC 20037.
- \*Boereboom FT, van Dijk A, van Zoonen P, et al. 1998. Nonaccidental endosulfan intoxication: A case report with toxicokinetic calculations and tissue concentrations. *Clin Toxicol* 36(4):345-352.
- Bowman BT, Sans WW. 1983. Further water solubility determinations of insecticidal compounds. *J Environ Sci Health B* 18:221-227.
- \*Bowman MC, Schechter MS, Carter RL. 1965. Behavior of chlorinated insecticides in a broad spectrum of soil types. *J Agric Food Chem* 13:360-365.

## 8. REFERENCES

- \*Boyd EM. 1972. Endosulfan. In: Protein deficiency and pesticide toxicity. Springfield, IL: Charles C. Thomas, 195-205.
- \*Boyd EM, Dobos I. 1969. Protein deficiency and tolerated oral doses of endosulfan. *Arch Int Pharmacodyn Ther* 178:152-165.
- \*Boyd EM, Dobos I, Krijnen CJ. 1970. Endosulfan toxicity and dietary protein. *Arch Environ Health* 21:15-19.
- \*Bradlow HL, Davis DL, Lin G, et al. 1995. Effects of pesticides on the ratio of 16 $\alpha$ /2-hydroxyestrone: A biologic marker of breast cancer risk. *Environ Health Perspect* 103(Suppl. 7):147-150.
- Bras IP, Santos L, Alves A. 1999. Organochlorine pesticides removal by pinus bark sorption. *Environ Sci Technol* 33:631-634.
- \*Braun HE, Lobb BT. 1976. Residues in milk and organs in a dairy herd following acute endosulfan intoxication. *Canadian Journal of Animal Science* 56:373-376.
- Brock JW, Melynk LJ, Caudill SP, et al. 1998. Serum levels of several organochlorine pesticides in farmers correspond with dietary exposure and local use history. *Toxicol Ind Health* 14(1/2):275-289.
- \*Bronstein AC, Currance PL, eds. 1988. Emergency care for hazardous materials exposure. St. Louis, MO: CV Mosby Company, 56, 157-158.
- \*Budavari S, ed. 1996. The Merck Index. An encyclopedia of Chemicals, Drugs, and Biologicals. 11<sup>th</sup> ed. Rahway, NJ: Merck & Co., Inc.
- \*Burchat CS, Ripley BD, Leishman PD, et al. 1998. The distribution of nine pesticides between the juice and pulp of carrots and tomatoes after home processing. *Food Addit Contam* 15(1):61-71.
- \*Burgoyne TW, Hites RA. 1993. Effects of temperature and wind direction on the atmospheric concentrations of  $\alpha$ -endosulfan. *Environ Sci Technol* 27(5):910-914.
- \*Cable GG, Doherty S. 1999. Acute carbamate and organochlorine toxicity causing convulsions in an agricultural pilot: A case report. *Aviat Space Environ Med* 70(1):68-72.
- \*Calabrese E. 1978. Pollutants and high risk groups: The biological basis of increased human susceptibility to environmental and occupational pollutants. New York, NY: John Wiley and Sons.
- Calabrese EJ, Baldwin LA, Kostecki PT, et al. 1997. A toxicologically based weight-of-evidence methodology for the relative ranking of chemicals of endocrine disruption potential. *Regul Toxicol Pharmacol* 26:36-40.
- Camel V. 1997. The determination of pesticide residues and metabolites using supercritical fluid extraction. *TrAC Trends Anal Chem (PersEd)* 16(6):351.
- \*Carey AE, Douglas P, Tai H, et al. 1979a. Pesticide residue concentrations in soils of five United States cities, 1971--Urban Soils Monitoring Program. *Pestic Monit J* 13:17-22.
- \*Carey AE, Gowen JA, Tai H, et al. 1979b. Pesticide residue levels in soils and crops from 37 states, 1972 - National Soils Monitoring Program (IV). *Pestic Monit J* 12:209-229.

## 8. REFERENCES

- Carvalho FP, Montenegro-Guillen S, Villeneuve J-P, et al. 1999. Chlorinated hydrocarbons in coastal lagoons of the Pacific Coast of Nicaragua. *Arch Environ Contam Toxicol* 36:132-139.
- Cerkezayabekir A, Aktac T. 1997. The histopathologic effects of endosulfan on the mouse thyroid gland. *Turkish Journal of Biology* 21(4):439-444.
- \*Ceron JJ, Panizo CG, Montes A. 1995. Toxicological effects in rabbits induced by endosulfan, lindane, and methylparathion representing agricultural byproducts contamination. *Bull Environ Contam Toxicol* 54(2):258-265.
- \*Chakravorty S, Lal B, Singh TP. 1992. Effect of endosulfan (thiodan) on vitellogenesis and its modulation by different hormones in the vitellogenic catfish *Clarias batrachus*. *Toxicology* 75:191-198.
- Chan J. 1995. Acute tubular necrosis following endosulfan insecticide poisoning: Author's reply. *Clin Toxicol* 33(4):377-378.
- \*Chatterjee SK, Sur S, Sen U. 1986. Effect of endosulfan on glycogen content of different tissues of mice. *Environ Ecol* 4:500-502.
- Chau ASY. 1972. Confirmation of pesticide residue identity: V. Alternative procedure for derivative formation in solid matrix for the confirmation of alpha- and beta endosulfan by gas chromatography. *J Assoc Off Anal Chem* 55:1228-1231.
- \*Chau ASY, Terry K. 1972. Confirmation of pesticide residue identity: IV. Derivative formation in solid matrix for the confirmation of alpha- and beta-endosulfan by gas chromatography. *J Assoc Off Anal Chem* 55:1228-1231.
- \*Chaudhuri K, Selvaraj S, Pal AK. 1999. Studies on the genotoxicity of endosulfan in bacterial systems. *Mutat Res* 439:63-67.
- Cheek AC, Vonier PM, Oberdorster E, et al. 1998. Environmental Signaling: A biological context for endocrine disruption. *Environ Health Perspect* 106(Suppl. 1):5-10.
- \*CHEMLINE. 1989. Chemical Dictionary On-Line. National Library of Medicine, Bethesda, MD.
- \*Chopra NM, Mahfouz AM. 1977a. Further investigations into the metabolism of endosulfan I, endosulfan II and endosulfan sulfate in tobacco leaf. *Beitr Tabakforsch* 9:176-179.
- Chopra NM, Mahfouz AM. 1977b. Metabolism of endosulfan I, endosulfan II, and endosulfan sulfate in tobacco leaf. *J Agric Food Chem* 25:32-36.
- Chopra NM, Campbell BS, Hurley JC. 1978. Systematic studies on the breakdown of endosulfan in tobacco smokes: Isolation and identification of the degradation products from the pyrolysis of endosulfan I in a nitrogen atmosphere. *J Agric Food Chem* 26:255-258.
- Chugh Y, Sankaranarayanan A, Sharma PL. 1992. A study on the mechanism of action of endosulfan using forced swimming test as a model. *Bull Postgrad Inst Med Educ Res Chandigarh* 26:21-25.
- Chugh Y, Sankaranarayanan A, Sharma PL. 1994a. Possible mechanism of endosulfan-induced enhancement of memory acquisition and retention in mice. *Indian J Physiol Pharmacol* 38(2):138-140.

## 8. REFERENCES

- Chugh Y, Sankaranarayanan A, Sharma PL. 1994b. Proconvulsive effects of endosulfan and cypermethrin in albino mice and rats. *Bull Postgrad Inst Med Educ Res Chandigarh* 28:15-21.
- \*Chugh SN, Dhawan R, Agrawal N, et al. 1998. Endosulfan poisoning in Northern India: A report of 18 cases. *Int J Clin Pharmacol Ther Toxicol* 36(9):474-477.
- \*CIS. 1988. Directory of world chemical producers. 1989/90 ed. Oceanside, NY: Chemical Information Services, Ltd.
- Clarke ML, Harvey DG, Humphreys DJ. 1981. *Veterinary toxicology*. 2nd ed. London, UK: Bailliere Tindall, 143.
- \*Clewell HJ III, Andersen M. 1985. Risk assessment extrapolations and physiological modeling. *Toxicol Ind Health* 1(4):111-131.
- Colborn T, Vom Saal FS, Soto AM. 1993. Developmental effects of endocrine-disrupting chemicals in wildlife and humans. *Environ Health Perspect* 101(5):378-384.
- \*Cole LM, Casida JE. 1986. Polychlorocycloalkane insecticide-induced convulsions in mice in relation to disruption of the GABA-regulated chloride ionophore. *Life Sci* 39:1855-1862.
- \*Coleman PF, Dolinger PM. 1982. Endosulfan monograph number four: Environmental health evaluations of California restricted pesticides. Prepared by Peter M. Dolinger Associates, Menlo Park, CA. Sacramento, CA: State of California Department of Food and Agriculture.
- \*Colorado Department of Public Health & Environment. 1999. Surface Water Quality Classifications and Standards PDF file.
- Copplestone JF, Weijand B, Everts JW. 1979. Observation on side-effects of helicopter spraying against tsetse flies in the Bouafle sleeping sickness focus. In: Everts JW, ed. Side effects of aerial insecticide application against tsetse flies near Bouafle, Ivory Coast. Wageningen, The Netherlands: Department of Toxicology, Agricultural University.
- Corneliussen PE. 1970. Residues in food and feed: Pesticide residues in total diet samples (V). *Pestic Monit J* 4:89-105.
- Corneliussen PE. 1972. Residues in food and feed: Pesticide residues in total diet samples (VI). *Pestic Monit J* 5:313-330.
- \*Cotham WE Jr, Bidleman TF. 1989. Degradation of malathion, endosulfan, and fenvalerate in seawater and seawater/sediment in microcosms. *J Agric Food Chem* 37:824-828.
- \*Coutselinis A, Kentarchou P, Boukis D. 1976. Separation and identification of the insecticide "endosulfan" from biological materials. *Forensic Sci* 8:251-254.
- \*Coutselinis A, Kentarchou P, Boukis D. 1978. Concentration levels of endosulfan in biological material (report of three cases). *Forensic Sci* 11:75.
- \*Crain DA, Noriega N, Vonier PM, et al. 1998. Cellular bioavailability of natural hormones and environmental contaminants as a function of serum and cytosolic binding factors. *Toxicol Ind Health* 14(1/2):261-273.

## 8. REFERENCES

- Crisp TM, Clegg ED, Cooper RL, et al. 1998. Environmental endocrine disruption: An effects assessment and analysis. *Environ Health Perspect* 106(Suppl. 1):11-56.
- Cwierniewska E, Potrzebnicka K. 1979. [Determination of endosulfan residues in strawberries and raspberries.] *Rocz Panstw Zakl Hig* 30:261-265. (Polish)
- Dahiya B, Chauhan R. 1982. Organochlorine insecticide residues in vegetable samples from Hissar market (India). *Indian J Agric Sci* 52:533-535.
- \*Daniel CS, Agarwal S, Agarwal SS. 1986. Human red blood cell membrane damage by endosulfan. *Toxicol Lett* 32:113-118.
- \*Das N, Garg A. 1981. Effect of endosulfan in female rats growing on low- and high-protein cereal diet. *Pestic Biochem Physiol* 15:90-98.
- Das N, Srivastava N, Srivastava LM. 1988. Activation of serum complement by organochlorine insecticides, DDT and endosulfan. *Curr Sci* 57:524-526.
- \*Daston GP, Gooch JW, Breslin WJ, et al. 1997. Environmental estrogens and reproductive health: A discussion of the human and environmental data. *Reprod Toxicol* 1(4):465-481.
- De Vault DS. 1985. Contaminants in fish from Great Lakes harbors and tributary mouths. *Arch Environ Contam Toxicol* 14:587-594.
- \*Deema P, Thompson E, Ware GW. 1966. Metabolism, storage and excretion of C-<sup>14</sup>-endosulfan in the mouse. *J Econ Entomol* 59:546-550.
- \*Demeter J, Heyndrickx A. 1978. Two lethal endosulfan poisonings in man. *J Anal Toxicol* 2:68-74.
- \*Demeter J, Heyndrickx A. 1979. Selection of a high-performance liquid chromatographic cleanup procedure for the determination of organochlorine pesticides in fatty biological extracts. *Vet Hum Toxicol* 21:151-155.
- \*Demeter J, Heyndrickx A, Timperman J, et al. 1977. Toxicological analysis in a case of endosulfan suicide. *Bull Environ Contam Toxicol* 18:110-114.
- \*Demeter J, Van Peteghem C, Heyndrickx A. 1978. Determination of endosulfan in biological samples by off line high-pressure liquid chromatography-mass fragmentography. In: de Leenheer AP, Roncucci RR, van Peteghem C, eds. *Quantitative mass spectrometry in life sciences II: Proceedings of the Second International Symposium, State University of Ghent, June 13-16, 1978*. New York, NY: Elsevier Scientific Publishing Company, 471-481.
- \*Den Tonkelaar EM, Van Esch GJ. 1974. No-effect levels of organochlorine pesticides based on induction of microsomal liver enzymes in short-term toxicity experiments. *Toxicology* 2:371-380.
- Digrak M, Ozelik S. 1998. Effect of some pesticides on soil microorganisms. *Bull Environ Contam Toxicol* 60:916-922.
- Dikshit AK, Misra SS. 1985. Residues of endosulfan and carbaryl in potato tubers at harvest and after storage. *Indian Journal of Plant Protection* 13:105-108.



## 8. REFERENCES

- Dikshit AK, Misra SS, Lal L. 1985. Carbaryl and endosulfan residues in potatoes. *Pesticides* 19:44-46.
- \*Dikshith TSS, Datta KK. 1978. Endosulfan: Lack of cytogenetic effects in male rats. *Bull Environ Contam Toxicol* 20:826-833.
- \*Dikshith TSS, Raizada RB. 1983. Response of carbon tetrachloride pretreated rats to endosulfan, carbaryl and phosphamidon. *Ind Health* 21:263-271.
- Dikshith TSS, Kumar SN, Tandon GS, et al. 1989. Pesticide residues in edible oils and oil seeds. *Bull Environ Toxicol* 42:50-56.
- \*Dikshith TSS, Nath G, Datta KK. 1978. Combined cytogenetic effects of endosulfan and metepa in male rats. *Indian J Exp Biol* 16:1000-1002.
- \*Dikshith TSS, Raizada RB, Kumar SN, et al. 1988. Effect of repeated dermal application of endosulfan to rats. *Vet Hum Toxicol* 30:219-224.
- \*Dikshith TSS, Raizada RB, Srivastava MK, et al. 1984. Response of rats to repeated oral administration of endosulfan. *Ind Health* 22:295-304.
- Dixon LA. 1998. Potency of combined estrogenic pesticides Synergy between synthetic oestrogens. *Chemtracts:Org Chem* 11:306-308.
- Domanski JJ, Haire PL, Sheets TJ. 1974. Insecticide residues on 1973 U.S. tobacco products. *Tobacco Sci* 18:108-109.
- Domanski JJ, Laws JM, Haire PL, et al. 1973. Insecticide residues on 1971 U.S. tobacco products. *Tobacco Sci* 17:80-81.
- \*Doong R-A, Lee C-Y, Sun Y-C. 1999. Dietary intake and residues of organochlorine pesticides in foods from Hsinchu, Taiwan. *J AOAC Int* 82(3):677-682.
- Dorough HW, Gibson JR. 1972. Chlorinated insecticide residues in cigarettes purchased in 1970-72. *Environ Entomol* 1:739-743.
- \*Dorough HW, Huhtanen K, Marshall TC, et al. 1978. Fate of endosulfan in rats and toxicological considerations of apolar metabolites. *Pesticide Biochemistry Physiology* 8:241-252.
- \*Dorough HW, Jones GA, Lusk CI. 1973. Residual nature of endosulfan in burley tobacco. *Environ Entomol* 2:845-849.
- DOT. 1986a. CHRIS (Chemical Hazards Response Information System) Hazardous chemical data. Department of Transportation, U.S. Coast Guard. Washington, DC: U.S. Government Printing Office. Commandant Instruction M.16465.12A.
- DOT. 1986b. Research and special programs administration. U.S. Department of Transportation. Code of Federal Regulations. 49 CFR 172.101.
- DOT. 1996. Shippers-General requirements for shipments and packagings. Use of tank cars. U.S. Department of Transportation. Code of Federal Regulations. 49 CFR 173.31.

## 8. REFERENCES

- DOT. 1997. Hazardous materials table, special provisions, hazardous materials communications, emergency response information, and training requirements. U.S. Department of Transportation. Code of Federal Regulations. 49 CFR 172.101.
- \*Dreher RM, Podratzki B. 1988. Development of an enzyme-immunoassay for endosulfan and its degradation products. *J Agric Food Chem* 36:1072-1075.
- \*Dreisbach RH, Robertson WO, eds. 1987. Handbook of poisoning: prevention, diagnosis & treatment. 12th ed. Norwalk, CT: Appleton & Lange, 108-109.
- \*Dubey RK, Beg MU, Singh J. 1984. Effects of endosulfan and its metabolites on rat liver mitochondrial respiration and enzyme activities *in vitro*. *Biochem Pharmacol* 33:3405-3410.
- \*Dubois M, Pfohl-Leszkowicz A, De Waziers I, et al. 1996. Selective induction of the cyp3a family by endosulfan and DNA-adduct formation in different hepatic and hepatoma cells. *Environmental Toxicology and Pharmacology* 1(4):249-256.
- Duggan RE, Corneliussen PE. 1972. Dietary intake of pesticide chemicals in the United States (III), June 1968-April 1970. *Pestic Monit J* 5:331-341.
- Duggan RE, Lipscomb GQ. 1969. Dietary intake of pesticide chemicals in the United States (II), June 1966-April 1968. *Pestic Monit J* 2:153-162.
- Duggan RE, Lipscomb GQ, Cox EL, et al. 1971. Pesticide residue levels in foods in the United States from July 1, 1963 to June 30, 1969. *Pestic Monit J* 5:73-212.
- \*Dureja P, Mukerjee SK. 1982. Photoinduced reactions: Part IV. Studies on the photochemical fate of 6,7,8,9,10,10-hexachloro-1,5,5a,6,9,9a-hexahydro-6,9-methano-2,4,3-benzo(e)dioxathiepin-3-oxide (endosulfan), an important insecticide. *Indian J Chem* 21B:411-413.
- Dwivedi PP, Mishra A, Dutta KK. 1988. Studies of endosulfan on glutathione, glutathione-S-transferase and total sulfhydryls in rat liver. *Agricultural and Biological Research* 4:18-21.
- \*Dzwonkowska A, Hubner H. 1986. Induction of chromosomal aberrations in the Syrian hamster by insecticides tested *in vivo*. *Arch Toxicol* 58:152-156.
- Egan H, Holmes DC, Roburn J, et al. 1966. Pesticide residues in foodstuffs in Great Britain: II. Persistent organochlorine pesticide residues in selected foods. *J Sci Food Agric* 17:563-569.
- Eichelberger JW, Lichtenberg JJ. 1971. Persistence of pesticides in river water. *Environ Sci Technol* 5:541-544.
- Eichelberger JW, Kerns EH, Olynyk P, et al. 1983. Precision and accuracy in the determination of organics in water by fused silica capillary column gas chromatography/mass spectrometry and packed column gas chromatography/mass spectrometry. *Anal Chem* 55:1471-1479.
- \*EI Dupont deNemours & Co. 1973. Maternal toxicity, embryotoxicity and teratogenic potential of neoprene accelerators applied to skin of rats during organogenesis. OTS0556789. Sect 8D.

## 8. REFERENCES

- Eisenberg JNS, McKone TE. 1998. Decision tree method for the classification of chemical pollutants: Incorporation of across-chemical pollutants: Incorporation of across-chemical variability and within-chemical uncertainty. *Environ Sci Technol* 32:3396-3404.
- El Beit IOD, Cotton DE, Wheelock V. 1983. Persistence of pesticides in soil leachates: Effect of pH, ultraviolet irradiation and temperature. *Int J Environ Stud* 21:251-259.
- El Beit IOD, Wheelock JV, Cotton DE. 1981a. Factors affecting soil residues of dieldrin, endosulfan, gamma-HCH, dimethoate, and Pyrolan. *Ecotoxicol Environ Safety* 5:135-160.
- \*El Beit IOD, Wheelock JV, Cotton DE. 1981b. Pesticide-microbial interaction in the soil. *Int J Environ Stud* 16:171-179.
- \*El Beit IOD, Wheelock JV, Cotton DE. 1981c. Factors involved in the dynamics of pesticides in soils: The effect of pesticide concentration on leachability and adsorption. *Int J Environ Stud* 16:181-187.
- \*Ellenhorn MJ. 1997. *Ellenhorn's Medical Toxicology: Diagnosis and Treatment of Human Poisoning*. Second ed. Baltimore, MD: Williams & Wilkins.
- \*Ely TS, Macfarlane JW, Galen WP, et al. 1967. Convulsions in thiodan workers. A preliminary report. *J Occup Med* 9:35-37.
- El Zorgani GA, Omer IS, Abdullah AM. 1986. Bound residues of endosulfan and carbofuran in soil and plant material. Proceedings of the Final Research Co-ordination Meeting on Isotopic Tracer-aided Studies of Unextractable or Bound Pesticide Residues in Soil, Plants, and Food. Vienna, Austria: International Atomic Energy Agency, 51-56.
- Environment Canada. 1999. Environment Canada, Environmental Protection Branch, Atlantic Region. March 1999. Pesticide residue in sediment and water from two watersheds in Prince Edward Island, 1996 and 1997.
- Environmental Quality Coordination Unit. 1973. Pesticide survey in lakes Erie and Ontario. Burlington, Ontario: Canada Centre for Inland Waters.
- Environmental Working Group. 1995. Pesticides in baby food. [http://www.ewg.org/pub/home/reports/Baby\\_food/Baby\\_Home.html](http://www.ewg.org/pub/home/reports/Baby_food/Baby_Home.html)
- EPA. 1972. The pollution potential in pesticide manufacturing. U.S. Environmental Protection Agency, Office of Water Products. Pesticide Study Series 5. EPA540/11-72-06.
- EPA. 1973. Endosulfan: Tolerances for residues. U.S. Environmental Protection Agency. Federal Register 38:16352.
- \*EPA. 1974. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 165.
- EPA. 1978. Designation of hazardous substances. List of hazardous substances. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 116.4.
- \*EPA. 1979. Water-related environmental fate of 129 priority pollutants. Vol. I: Introduction and technical background, metals and inorganics, pesticides and PCB's. Washington, DC: U.S.

## 8. REFERENCES

Environmental Protection Agency, Office of Water Planning and Standards. EPA-440/4-79-029a, 27.1-27.16.

\*EPA. 1980a. Ambient water quality criteria for Endosulfan. U.S. Environmental Protection Agency. Office of Water Regulations and Standards, Criteria and Standards Division. Washington, DC. 440/5-80-046.

\*EPA. 1980b. Water quality criteria documents; availability. U.S. Environmental Protection Agency. Federal Register 45:79318-79379.

EPA. 1980c. Discarded commercial chemical products, off-specification species, container residues, and spill residues thereof. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 261.33(e).

EPA. 1981. Effluent guidelines and standards. Toxic Pollutants. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 401.15.

\*EPA. 1982a. Endosulfan; tolerances for residues. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 180.182.

EPA. 1982b. Hexachlorohexahydromethano-2,4,3-benzodioxathiepin-3-oxide (Endosulfan): Pesticide registration standard. Washington, DC: U.S. Environmental Protection Agency, Office of Health and Environmental Assessment. EPA-540/RS-82-008.

\*EPA. 1982c. Aquatic fate process data for organic priority pollutants. Final report. Washington, DC: U.S. Environmental Protection Agency. EPA-440/4-81-014.

EPA. 1983a. Effluent guidelines and standards. Steam electric power generating point source category. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 423.

EPA. 1983b. Endosulfan: Tolerances for residues. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 180.182.

\*EPA. 1984. Analytical reference standards and supplemental data: The pesticides and industrial chemicals repository. EPA, Las Vegas, NV. EPA 600/4-84-082. October 1984.

EPA. 1985a. Notification requirements; reportable quantity adjustments. U.S. Environmental Protection Agency. Federal Register 40:13456.

EPA. 1985b. Endosulfan technical: Review of 13-week toxicity study in mice. Memorandum. Washington, DC: U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances. Document no. 004733.

EPA. 1985c. Pesticide chemicals category effluent limitations guidelines, pretreatment standards, and new source performance standards. U.S. Environmental Protection Agency. Federal Register 51:40672-40777.

EPA. 1985d. Pesticide chemicals. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 455.

## 8. REFERENCES

- EPA. 1985e. Designation of hazardous substances. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 302.4.
- \*EPA. 1986a. Effluent guidelines and standards. Electroplating point source category. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 413.02.
- \*EPA. 1986b. Effluent guidelines and standards. Metal finishing point source category. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 433.
- \*EPA. 1986c. Test methods for evaluating solid waste. Volume IB: Laboratory manual, physical/chemical methods. Washington, DC: U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. SW-846.
- EPA. 1986d. Review of studies submitted as follow-up to the 1982 Endosulfan Registration Standard. Memorandum. Washington, DC: U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances. Document no. 004881.
- EPA. 1986e. Review of subchronic oral rat study (30-day) using endosulfan - technical. Memorandum. Washington, DC: U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances. Document no. 004892.
- EPA. 1986f. Determination of reportable quantities. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 117.3.
- EPA. 1986g. Reference values for risk assessment. Cincinnati, Ohio: U.S. Environmental Protection Agency, Environmental Criteria and Assessment Office.
- EPA. 1986h. Research and development: Reference values for risk assessment. Prepared for the Office of Solid Waste by Environmental Criteria and Assessment Office. Final draft. Cincinnati, OH: U.S. Environmental Protection Agency, Office of Solid Waste. ECAO-CIN-477.
- EPA. 1986i. Pesticide chemicals category effluent limitations guidelines pretreatment standards and new source performance standards. U.S. Environmental Protection Agency. Federal Register 51:44911.
- EPA. 1987a. Toxic chemicals release reporting; community right-to-know. U.S. Environmental Protection Agency. Federal Register 52:21152-21208.
- \*EPA. 1987b. Health effects assessment for alpha- and beta-endosulfan. Cincinnati, OH: U.S. Environmental Protection Agency, Office of Research and Development, Environmental Criteria and Assessment Office. EPA/600/8-88-034.
- \*EPA. 1987c. The list of extremely hazardous substances and their threshold planning quantities. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 355, Appendix A.
- EPA. 1987d. Ground-water monitoring list. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 264, Appendix IX.
- EPA. 1987e. The risk assessment guidelines of 1986. Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development, Office of Health and Environmental Assessment. EPA/600/8-87/045.

## 8. REFERENCES

\*EPA. 1987f. Measurement of hydrolysis rate constants for evaluation of hazardous waste land disposal. Volume 1. Data on 32 chemicals. Environmental Research Laboratory. Office of Research and Development. U.S. Environmental Protection Agency, Athens, GA. PB87-104349.

\*EPA. 1988a. Compendium of methods for the determination of toxic organic compounds in ambient air: Method T0-4. Second supplement. Office of research and development, quality assurance division. Research Triangle Park, NC.

\*EPA. 1988b. Effluent guidelines and standards. Aluminum forming point source category. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 467.

EPA. 1988c. Hazardous constituents. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 261, Appendix VIII.

\*EPA. 1988d. Tolerances for pesticides in foods. Endosulfan. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 185.2600.

EPA. 1989a. Data evaluation report: 30-Day feeding study in rats. Office of Pesticides and Toxic Substances. Washington, DC: U.S. Environmental Protection Agency. Document no. 007163.

EPA. 1989b. Data evaluation report: Endosulfan: Chronic toxicity-oncogenicity feeding study in mice. Office of Pesticides and Toxic Substances. Washington, DC: U.S. Environmental Protection Agency. Document No. 007155.

EPA. 1989c. Interim methods for development of inhalation reference concentrations. Washington, DC: U.S. Environmental Protection Agency, Office of Health and Environmental Assessment. EPA 600/8-88/066F.

EPA. 1989d. Pesticide chemicals. Formulating and packing subcategory. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 455.

EPA. 1989e. Summary listing of toxicology studies on endosulfan. Washington, DC: U.S. Environmental Protection Agency, Office of Pesticide Programs.

EPA. 1990a. Endosulfan: Review of four toxicology studies and three dermal absorption studies. Memorandum. Washington, DC: U.S. Environmental Protection Agency, Office of Pesticides and Toxic Substances. Document no. 007937.

\*EPA. 1990b. Interim methods for development of inhalation reference concentrations. Washington, DC: U.S. Environmental Protection Agency, Office of Health and Environmental Assessment, Office of Research and Development, Environmental Criteria and Assessment Office. EPA600/8-90/066.

EPA. 1990c. Standards of performance for volatile organic compounds (VOC) emissions from synthetic organic chemical manufacturing industry (SOCMI) distillation operation. U. S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 60.667.

\*EPA. 1991a. Criteria for municipal solid waste landfills. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 258. Appendix II.

EPA. 1991b. Method 608 - organochlorine pesticides and PCBs. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 136, Appendix A.

## 8. REFERENCES

EPA. 1991c. Toxic pollutants. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 401.15.

\*EPA. 1992a. Methods for the determination of nonconventional pesticides in municipal and industrial wastewater. Method 1656. EPA, Office of Water. Washington, DC. EPA 821 RR-92-002. April 1992.

EPA. 1992b. U.S Pesticide Use Trends: 1966-1989. U.S. Environmental Protection Agency. Washington, DC. Quality of the Environment Division.

\*EPA. 1992c. Effluent guidelines and standards. Toxic Pollutants. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 401.15.

\*EPA. 1992d. Effluent guidelines and standards. Steam electric power generating point source category. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 423.

EPA. 1993a. Standards for the management of hazardous waste and specific types of hazardous waste facilities. Health-based limits for exclusion of waste-derived residues. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 266, Subpart H. Appendix VII.

\*EPA. 1993b. Tolerances for related pesticide chemicals. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 180.3.

EPA. 1994. Land disposal restrictions. Prohibitions on storage. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 268.50.

\*EPA. 1995a. Designation, reportable quantities, and notification. List of hazardous substance and reportable quantities. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 302.4.

EPA. 1995b. Determination of reportable quantities for hazardous substances. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 117.

\*EPA. 1995c. Toxic Chemical Release Reporting: Community Right-to-know. Specific toxic chemical listings. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 372.65.

\*EPA. 1995d. Water quality guidance for the Great Lakes system. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 132.

\*EPA. 1996a. Pesticide chemicals category, formulating, packaging and repackaging effluent limitations guidelines, pretreatment standards, and new source performance standards. U.S. Environmental Protection Agency. Federal Register. 61 FR 57518. Final Rule.

\*EPA. 1996b. Superfund, emergency planning, and community right-to-know programs. Designation, reportable quantities, and notification. Emergency planning and notification. The list of extremely hazardous substances and their threshold planning quantities. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 355, Appendix A.

\*EPA. 1997a. Identification and listing of hazardous waste. Hazardous constituents. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 261, Appendix VIII.

## 8. REFERENCES

- \*EPA. 1997b. Land disposal restrictions. Universal treatment standards. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 268.48.
- \*EPA. 1997c. Standards for owners and operators of hazardous waste treatment, storage, and disposal facilities. Ground-water monitoring list. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 264, Appendix IX.
- \*EPA. 1997d. Methods and guidance for analysis of water. Method 508: Determination of chlorinated pesticides in water by gas chromatography with an electron capture detector. U.S. Environmental Protection Agency, Washington, DC. EPA 821-c-97-001.
- \*EPA. 1997e. Methods and guidance for analysis of water. Method 508.1: Determination of chlorinated pesticides, herbicides, and organohalides by liquid-solid extraction and electron capture gas chromatography. U.S. Environmental Protection Agency, Washington, DC. EPA 821-c-97-001.
- \*EPA. 1997f. Methods and guidance for analysis of water. Method 525.2: Determination of organic compounds in drinking water by liquid-solid extraction and capillary column gas chromatography/mass spectrometry. U.S. Environmental Protection Agency, Washington, DC. EPA 821-c-97-001.
- EPA. 1997g. Guidelines establishing test procedures for analysis of pollutants and national primary drinking water regulations; flexibility in existing test procedures and streamlined proposal of new test procedures; proposed rule. U.S. Environmental Protection Agency. Federal Register. 62 FR 14976. 40 CFR 136 March 28, 1997.
- EPA. 1998a. Emergency planning and community right-to-know programs; amendments to hazardous chemical reporting thresholds, streamlining requirements. Proposed rule. U.S. Environmental Protection Agency. Federal Register. 63 FR 31268. June 8, 1998.
- EPA. 1998b. Notice of receipt of requests for amendments to delete uses in certain pesticide registrations. Notice. U.S. Environmental Protection Agency. Federal Register. 63 FR 13246. March 18, 1998.
- EPA. 1998c. Notice of receipt of requests for amendments to delete uses in certain pesticide registrations. Notice. U.S. Environmental Protection Agency. Federal register. 63 FR 19254. April 17, 1998.
- \*EPA. 1998d. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 433.11.
- \*EPA. 1998e. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 455.67.
- EPA. 1998f. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 467.02.
- \*EPA. 1998g. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 180.2.
- \*EPA. 1998h. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 180.182.
- EPA. 1998i. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 413.02.
- \*EPA. 1998j. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 372.65.
- \*EPA. 1998k. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 185.2600.



## 8. REFERENCES

- \*EPA. 1998l. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 116.4.
- \*EPA. 1998m. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 401.13.
- \*EPA. 1999a. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 261.33.
- \*EPA. 1999b. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 26 268.48.
- \*EPA. 1999c. National Recommended Water Quality Criteria-Correction. U.S. Environmental Protection Agency, Office of Water. EPA822-Z-99-001.
- EPA. 1999d. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 302.4.
- \*Ernst W. 1977. Determination of the bioconcentration potential of marine organism- A steady state approach. I. Bioconcentration data for seven chlorinated pesticides in mussels(*mytilus edulis*) and their relation to solubility data. *Chemosphere* 11:731-740.
- Fahrig R. 1973. Comparative mutagenicity studies with pesticides. IARC Scientific Publication 10:161-181.
- Faith RE, Luster MI, Vos JG. 1980. Effects on immunocompetence by chemicals of environmental concern. *Rev Biochem Toxicol* 2:173-211.
- \*Falck GCM, Hirvonen A, Scarpato R, et al. 1999. Micronuclei in blood lymphocytes and genetic polymorphism for GSTM1, GSTT1 and NAT2 in pesticide-exposed greenhouse workers. *Mutat Res* 441:225-237.
- \*FAO/WHO. 1975a. Data sheets on pesticides: Endosulfan. Rome, Italy: Food and Agricultural Organization of the United Nations and World Health Organization. VBC/DS/75.15, No. 15.
- FAO/WHO. 1975b. Pesticide residues in food. Report of the 1974 Joint Meeting of the FAO Working Party of Experts on Pesticide Residues and the WHO Expert Committee on Pesticide Residues. Geneva, Switzerland: Food and Agriculture Organization of the United Nations and World Health Organization. FAO Agricultural Studies no. 97, WHO Technical Report Series no. 574.
- FAO/WHO. 1976. Pesticide residues in food. Report of the 1975 Joint Meeting of the FAO Working Party of Experts on Pesticides Residues and the WHO Expert Committee on Pesticide Residues. Geneva, Switzerland: Food and Agricultural Organization of the United Nations and World Health Organization. FAO Plant Production and Protection Series no. 1, WHO Technical Report Series no. 592.
- FAO/WHO. 1983. Endosulfan. 1982 Evaluations of some pesticide residues in food. Rome, Italy: Food and Agriculture Organization of the United Nations and World Health Organization.
- FAO/WHO. 1989. Pesticide residues in food. Report of the 1989 Joint Meeting of the FAO Panel of Experts on Pesticide Residues in Food and the Environment and the WHO Expert Group on Pesticide Residues. Geneva, Switzerland: Food and Agricultural Organization of the United Nations and World Health Organization. FAO Plant Production and Protection Paper 100/2, 95-115.
- FDA. 1977. Endosulfan. U.S. Food and Drug Administration, Human Health Services. Code of Federal Regulations. 21 CFR 193.170.

## 8. REFERENCES

FDA. 1988. FDA (Food and Drug Administration) pesticide program: Residues in foods 1987. J Assoc Off Anal Chem 71:156A-174A.

\*FDA. 1994. Pesticide analytical manual, Vol. 1, 3rd edition, Multiresidue methods. Method 302: Method for Nonfatty Foods; Method 303: Method II for Nonfatty Foods, Method 304: Method for Fatty Foods. FDA, US Department of Health and Human Services.

\*FDA. 1995. Pesticide Program Residue Monitoring - 1995. FDA.  
<http://vm.cfsan.fda.gov/~dms/pes95res.html>

\*FEDRIP. 1999. Federal Research in Progress.

\*Ferrando MD, Alarcon V, Fernandez-Casalderrey A, et al. 1992. Persistence of some pesticides in the aquatic environment. Bull Environ Contam Toxicol 48(5):747-55.

\*Fisk JF. 1986. Semi-volatile organic analytical methods - general description and quality control considerations. In: Perket CL, ed. Quality control in remedial site investigation: Hazardous and industrial solid waste testing, ASTM Spec Tech Publ 925. Vol. 5, American Society for Testing and Materials, 143-156.

Flodstrom S, Warngard L, Hemming H, et al. 1988. Tumor promotion related effects by the cyclodiene insecticide endosulfan studied *in vitro* and *in vivo*. Pharmacol Toxicol 62:230-235.

\*FMC. 1958. Thiodan technical: Acute oral administration - dogs. Final report. Conducted for Food Machinery and Chemical Corporation, Niagara Chemical Division. Hazleton Laboratories, Inc., Falls Church, VA.

\*FMC. 1959a. Thiodan technical: Repeated oral administration - dogs. Final report. Conducted for Food Machinery and Chemical Corporation, Niagara Chemical Division. Hazleton Laboratories, Inc., Falls Church, VA.

\*FMC. 1959b. Thiodan technical: Two-year chronic feeding study - rats. Final report. Conducted for Food Machinery and Chemical Corporation, Niagara Chemical Division. Hazleton Laboratories, Inc., Falls Church, VA.

\*FMC. 1965. Three-generation reproduction study in albino rats on thiodan: Results through weaning of F1b litters. Conducted for Food Machinery and Chemical Corporation, Niagara Chemical Division. Industrial Bio-Test Laboratories, Inc., Northbrook, IL.

\*FMC. 1967. Two-year chronic oral toxicity of thiodan technical - Beagle dogs. Conducted for Food Machinery and Chemical Corporation. Industrial Bio-Test Laboratories, Inc., Northbrook, IL.

\*FMC. 1972. Teratogenic study with thiodan technical in albino rats. Conducted for Food Machinery and Chemical Corporation, Niagara Chemical Division. Industrial Bio-Test Laboratories, Inc., Northbrook, IL.

\*FMC. 1980a. Final report: Range-finding study with FMC 5462 in pregnant rats. Conducted for Food Machinery and Chemical Corporation. Raltech Scientific Services, Madison, WI. Raltech study no. 79031.

## 8. REFERENCES

- \*FMC. 1980b. Final report: Teratology study with FMC 5462 in rats. Conducted for Food Machinery and Chemical Corporation. Raltech Scientific Services, Madison, WI. Raltech study no. 79041.
- \*FMC. 1981. Teratology study with FMC 5462 in rabbits. Conducted for Food Machinery and Chemical Corporation. Raltech Scientific Services, Madison, WI. Raltech study no. 80070.
- FMC. 1983. Acute oral LD50 - rat. Food Machinery and Chemical Corporation, Chemical Research and Development. Ref #A82-793.
- \*Foman SJ. 1966. Body composition of the infant (Part I: The male reference infant). In: Falkner F, ed. Human Development. Philadelphia, PA: WB Saunders, 239-246.
- \*Foman, SJ, Haschke F, Ziegler EE et al. 1982. Body composition of reference children from birth to age 10 years. *Am J Clin Nutr* 35:1169-1175.
- Frank R, Braun HE, Ishida K, et al. 1976. Persistent organic and inorganic pesticide residues in orchard soils and vineyards of Southern Ontario. *Can J Soil Sci* 56:463-484.
- \*Frank R, Braun HE, Van Hove Holdrinet M, et al. 1982. Agriculture and Water Quality in the Canadian Great Lakes Basin: V. Pesticide use in 11 agricultural watersheds and presence in stream water, 1975-1977. *J Environ Qual* 11(3):497-505.
- \*Frank R, Smith EH, Braun HE, et al. 1975. Organochlorine insecticides and industrial pollutants in the milk supply of the southern region of Ontario, Canada. *J Milk Food Technol* 38:65-72.
- \*Fransson-Steen R, Warngard L. 1992. Inhibitory effects of endosulfan on gap junctional intercellular communication in WB-F344 rat liver cells and primary rat hepatocytes. *Carcinogenesis* 13(4):657-662.
- \*Fransson-Steen R, Flodstrom S, Warngard L. 1992. The insecticide endosulfan and its two stereoisomers promote the growth of altered hepatic foci in rats. *Carcinogenesis* 13(12):2299-2303.
- \*Frevert J, Zietz E, Knoell HE. 1988. Residue- and groundwater analysis: New techniques. Brighton Crop Protection Conference -- Pests and Disease 727-731.
- \*FSTRAC. 1995. Summary of state and federal drinking water standards and guidelines. 1993-1995. Contaminant Policy and Communications Subcommittee, Federal-State Toxicology and Regulatory Alliance Committee. Cosponsored by: U.S. Environmental Protection Agency. Office of Science and Technology. Office of Water.
- \*Fukuhara K, Takeda M, Uchiyama M. 1977. [Studies on analysis of pesticide residues in foods (XXV): Analytical method for endosulfan in crops.] *Shokuhin Eiseigaku Zasshi* 18:149-153. (Japanese)
- Gaido K, Dohme L, Wang F, et al. 1998. Comparative estrogenic activity of wine extracts and organochlorine pesticide residues in food. *Environ Health Perspect* 106(6):1347-1351.
- Gangwar SK, Singh YP. 1988. Persistence of endosulfan residues in/on knol-khol (*Brassica calorapa* L.) at medium altitude hills. *Indian Journal of Plant Protection* 16:27-32.
- \*Gant DB, Eldefrawi ME, Eldefrawi AT. 1987. Cyclodiene insecticides inhibit GABA receptor-regulated chloride transport. *Toxicol Appl Pharmacol* 88:313-321.

## 8. REFERENCES

- \*Garcia-Repetto R, Soria ML, Gimenez MP, et al. 1998. Deaths from pesticide poisoning in Spain from 1991 to 1996. *Vet Hum Toxicol* 40(3):166-168.
- \*Garcia-Rodriguez J, Garcia-Martin M, Nogueras-Ocana M, et al. 1996. Exposure to pesticides and cryptorchidism: Geographical evidence of a possible association. *Environ Health Perspect* 104(10):1090-1095.
- \*Garg A, Kunwar K, Das N, et al. 1980. Endosulfan intoxication: Blood glucose, electrolytes, Ca levels, ascorbic acid and glutathione in rats. *Toxicol Lett* 5:119-123.
- \*Gartrell MJ, Craun JC, Podrebarac DS, et al. 1986. Pesticides, selected elements, and other chemicals in adult total diet samples. *J Assoc Off Anal Chem* 69:146-161.
- \*Giabbai M, Roland L, Chian ESK. 1983. Trace analysis of organic priority pollutants by high resolution gas chromatography and selective detectors (FID, ECD, NPD and MS-DS): Application to municipal waste water and sludge samples. In: Frigerio A, ed. *Chromatography in biochemistry, medicine, and environmental research. Analytical Chemistry Symposia Series, 13. Vol. 1, Amsterdam, Netherlands: Elsevier Scientific Publishing Company, 41-52.*
- \*Gilbert ME. 1992. A characterization of chemical kindling with the pesticide endosulfan. *Neurotoxicol Teratol* 14(2):151-158.
- \*Gilbert ME, Mack CM. 1995. Seizure thresholds in kindled animals are reduced by the pesticides lindane and endosulfan. *Neurotoxicol Teratol* 17(2):143-150.
- Gillesby BE, Zacharewski TR. 1998. Exoestrogens: Mechanisms of action and strategies for identification and assessment. *Environ Toxicol Chem* 17(1):3-14.
- \*Giwerzman A, Carlsen E, Keiding N, et al. 1993. Evidence for increasing incidence of abnormalities of the human testis: A review. *Environ Health Perspect Suppl* 101(2):65-71.
- \*Goebel H, Gorbach S, Knauf W, et al. 1982. Properties, effects, residues, and analytics of the insecticide endosulfan. *Residue Rev* 83:1-165.
- Golden RJ, Noller KL, Titus-Ernstoff L, et al. 1998. Environmental endocrine modulators and human health: an assessment of the biological evidence. *Crit Rev Toxicol* 28:109-227.
- Gopal K, Khanna RN, Anand M, et al. 1982. Haematological changes in fish exposed to endosulfan. *Ind Health* 20:157-159.
- Gorbach S. 1972. Terminal residues of endosulfan. In: Tahori AS, ed. *Fate of pesticides in environment. New York, NY: Gordon and Breach, 283-285.*
- \*Gorbach SG, Christ OE, Kellner H, et al. 1968. Metabolism of endosulfan in milk sheep. *J Agric Food Chem* 16:950-953.
- Gosselin RE, Smith RP, Hodge HC, et al., eds. 1984. *Clinical toxicology of commercial products. 5th ed. Baltimore, MD: Williams and Wilkins, 286.*

## 8. REFERENCES

- Gray LE, Ostby J, Wolf C, et al. 1998. The value of mechanistic studies in laboratory animals for the prediction of reproductive effects in wildlife: Endocrine effects of mammalian sexual differentiation. *Environ Toxicol Chem* 17(1):109-118.
- \*Gregor DJ, Gummer WD. 1989. Evidence of atmospheric transport and deposition of organochlorine pesticides and polychlorinated biphenyls in Canadian arctic snow. *Environ Sci Technol* 23:561-565.
- \*Greve PA, Wit SL. 1971. Endosulfan in the Rhine River. *J Water Pollut Control Fed* 43:2338-2348.
- \*Griffith FD, Blanke RV. 1974. Microcoulometric determination of organochlorine pesticides in human blood. *J Assoc Off Anal Chem* 57:595-603.
- \*Guardino XC, Serra J, Obiols MG, et al. 1996. Determination of DDT and related compounds in blood samples from agricultural workers. *J Chromatogr A* 719(1):141-147.
- Guerin TF, Leeder JF. 1998. Potential environmental endocrine disruption implications from the widespread use of the commonly used insecticide endosulfan. *Am Chem Soc Abstr Pap* 1-3:102.
- Guillette EA, Meza MM, Aquilar MG, et al. 1998. An anthropological approach to the evaluation of preschool children exposed to pesticides in Mexico. *Environ Health Perspect* 106(6):347-353.
- Gummer WD. 1980. Pesticide monitoring in the prairies of Western Canada. In: Afghan BK, McKay D, eds. *Hydrocarbons and halogenated hydrocarbons in the aquatic environments*. New York, NY: Plenum Press, 345-372.
- \*Gunderson EL. 1995a. FDA Total diet study, July 1986-April 1991, Dietary intakes of pesticides, selected elements, and other chemicals. *J AOAC Int* 78(6):1353-1363.
- \*Gunderson EL. 1995b. Dietary intakes of pesticides, selected elements, and other chemicals: FDA total diet study, June 1984-April 1986. *J AOAC Int* 78(4):910-921.
- \*Gupta PK. 1976. Endosulfan-induced neurotoxicity in rats and mice. *Bull Environ Contam Toxicol* 15:708-713.
- \*Gupta PK. 1978. Distribution of endosulfan in plasma and brain after repeated oral administration to rats. *Toxicology* 9:371-377.
- \*Gupta PK, Chandra SV. 1975. The toxicity of endosulfan in rabbits. *Bull Environ Contam Toxicol* 14:513-519.
- \*Gupta PK, Chandra SV. 1977. Toxicity of endosulfan after repeated oral administration to rats. *Bull Environ Contam Toxicol* 18:378-384.
- \*Gupta PK, Ehrnebo M. 1979. Pharmacokinetics of alpha isomer and beta isomers of racemic endosulfan following intravenous administration in rabbits. *Drug Metab Dispos* 7:7-10.
- \*Gupta PK, Gupta RC. 1977a. Effect of endosulfan pretreatment on organ weights and on pentobarbital hypnosis in rats. *Toxicology* 7:283-288.
- Gupta PK, Gupta RC. 1977b. Influences of endosulfan on pentobarbitone sleeping time and blood and brain concentrations in male rats. *J Pharm Pharmacol* 29:245-246.

## 8. REFERENCES

- \*Gupta PK, Gupta RC. 1979. Pharmacology, toxicology and degradation of endosulfan. A review. *Toxicology* 13:115-130.
- \*Gupta PK, Chandra SV, Saxena DK. 1978. Teratogenic and embryotoxic effects of endosulfan in rats. *Acta Pharmacol Toxicol* 42:150-152.
- \*Gupta PK, Murthy RC, Chandra SV. 1981. Toxicity of endosulfan and manganese chloride: Cumulative toxicity rating. *Toxicol Lett* 7:221-227.
- \*Guzelian PS, Henry CJ, Olin SS. 1992. Similarities and differences between children and adults: Implications for risk assessment. International Life Sciences Institute Press, Washington, D.C.
- \*Hack R, Ebert E, Leist KH. 1995. Chronic toxicity and carcinogenicity studies with the insecticide endosulfan in rats and mice. *Food Chem Toxicol* 33(11):941-50.
- \*Haddad LM, Winchester JF, eds. 1990. Clinical management of poisoning and drug overdose. 2nd ed. Philadelphia, PA: WB Saunders Company, 1083-1087.
- \*Hansch C, Leo A, Hoekman D, eds. 1995. Exploring QSAR. Hydrophobic, electronic, and steric constants. Washington, DC: American Chemical Society, 50.
- \*Hapeman CJ, Schmidt WF, Rice CP, et al. 1997. Structural and thermodynamic considerations in the isomeric conversion of endosulfan. 213th National Meeting of the American Chemical Society, San Francisco, California, USA, April 13-17, 1997. Abstracts of Papers American Chemical Society 213(1-3).
- Harris CR, Chapman RA, Miles JR, W. 1977. Insecticide residues in soils on fifteen farms in southwestern Ontario, 1964-1974. *J Environ Sci health B12*:163-177.
- \*Hawaii Department of Health 1999. Endosulfan. Clean Water Division. Chapter 11-54- Water Quality Standards (pdf 115 kb). <http://www.hawaii.gov/health/>
- \*Hayes WJ Jr. 1982. Pesticides studied in man. Baltimore, MD: Williams and Wilkins, 95, 252-253, 264.
- \*HazDat 2000. Endosulfan. Agency for toxic substances and disease registry (ATSDR). Atlanta, GA.
- \*HCDB. 1986 Hazardous chemical data book. 2<sup>nd</sup> Ed. Park Ridge, NJ. Noyes Data Corporation.
- Hengy H, Thirion J. 1971. Determination of thiodan and thiodan sulfate on tobacco and in smoke condensate. *Beitr Tabakforsch* 6:57-61.
- Herzel F, Luedemann D. 1971. [Behavior and toxicity of endosulfan in water under various test conditions.] *Z Angew Zool* 58:57-61. (German)
- \*Hodapp DM, Winterlin W. 1989. Pesticide degradation in model soil evaporation beds. *Bull Environ Contam Toxicol* 43:36-44.
- \*Hoechst. 1966a. Alpha-thiodan: Acute oral and subcutaneous toxicity to the mouse. Hoechst Aktiengesellschaft, Frankfurt, Germany. Doc #A14023 .[unpublished study]

## 8. REFERENCES

- \*Hoechst. 1966b. Beta-thiodan: Acute oral and subcutaneous toxicity to the mouse. Hoechst Aktiengesellschaft, Frankfurt, Germany. Doc #A14024.[unpublished study]
- \*Hoechst. 1970. Testing report on the toxicity of endosulfan (malix) to dogs through acute oral administration (LD50). Hoechst Aktiengesellschaft, Frankfurt, Germany. [unpublished study]
- \*Hoechst. 1975. Beta-endosulfan pure (analysis GOE 1495): Acute oral toxicity in female SPF-Wistar rats. Hoechst Aktiengesellschaft, Frankfurt, Germany. Doc #A05270.[unpublished study]
- \*Hoechst. 1982. Preliminary investigation of the effect of endosulfan (code, HOE 02671 OI AT 209) on reproduction of the rat. Hoechst Aktiengesellschaft, Frankfurt, Germany. Huntington Research Centre, Cambridgeshire, England. HST 203/82252. [unpublished study]
- \*Hoechst. 1983a. Hoe 002671 - active ingredient technical: Testing for acute aerosol inhalation toxicity in male and female SPF Wistar rats: 4 Hours - LC50. Hoechst Aktiengesellschaft, Frankfurt, Germany. Doc #A28064. [unpublished study]
- \*Hoechst. 1983b. Hoe 002671 - active ingredient technical: Test for sensitizing properties in female Pirbright-White guinea pigs according to the method of Buehler. Hoechst Aktiengesellschaft, Frankfurt, Germany. Report no. 83.0339. [unpublished study]
- \*Hoechst. 1984a. Effect of endosulfan-technical (code HOE 02671 O I AT209) on reproductive function of multiple generations in the rat. Conducted for Hoechst Aktiengesellschaft, Frankfurt, Germany. Huntington Research Centre, Cambridgeshire, England. HST 204/83768. [unpublished study]
- \*Hoechst. 1984b. Endosulfan - active ingredient technical (code HOE 02671 OI ZD97 0003): 13-Weeks toxicity study in mice (final report). Conducted for Hoechst Aktiengesellschaft, Frankfurt, Germany. Huntington Research Centre, Cambridgeshire, England. HST 229/831052. [unpublished study]
- \*Hoechst. 1984c. Endosulfan - active ingredient technical (code HOE 02671 OI ZD97 0003): Testing for subchronic inhalation toxicity - 21 exposures in 29 days - in SPF Wistar rats. Hoechst Aktiengesellschaft, Frankfurt, Germany. Doc #A29766. [unpublished study]
- \*Hoechst. 1984d. Evaluation of Hoe 002671 - substance technical - in the rat primary hepatocyte unscheduled DNA synthesis assay: Final report. Conducted for Hoechst Aktiengesellschaft, Frankfurt, Germany. Litton Bionetics, Inc., Kensington, MA. LBI project no. 10400-001.[unpublished study]
- \*Hoechst. 1984e. Testing of the therapeutic effect of diazepam (Valium $\frac{1}{2}$ ) and phenobarbital (Luminal $\frac{1}{2}$ ) in the event of acute poisoning with endosulfan - active ingredient technical (code HOE 002671 OI ZD97 0003) in Wistar rats. Hoechst Aktiengesellschaft, Frankfurt, Germany. Doc #A28991. [unpublished study]
- \*Hoechst. 1985a. Endosulfan-active ingredient technical (Code HOE 02671 OI ID970003) 13-week toxicity study in rats followed by a 4-week withdrawal period, conducted at Huntingdon Research Center, England. Hoechst Aktiengesellschaft, Frankfurt, West Germany. Unpublished study. [unpublished study]
- \*Hoechst. 1985b. Endosulfan - substance technical (code HOE 002671 OI ZD97 0003): 42-Day feeding study in mice. Hoechst Aktiengesellschaft, Frankfurt, Germany. Report no. A38104. [unpublished study]

## 8. REFERENCES

- \*Hoechst. 1985c. Endosulfan - active ingredient technical (code HOE 02671 OI ZD97 0003): Testing for subchronic dermal toxicity - 21 applications over 30 days - in Wistar rats. Hoechst Aktiengesellschaft, Frankfurt, Germany. Report no. 84.0223. [unpublished study]
- \*Hoechst. 1985d. Endosulfan - active ingredient technical (code HOE 02671 OI ZD97 0003): Testing for subchronic dermal toxicity - 21 applications over 30 days - in SPF Wistar rats. Hoechst Aktiengesellschaft, Frankfurt, Germany. Doc #A30751. [unpublished study]
- \*Hoechst. 1986. A dermal absorption study in rats with <sup>14</sup>C endosulfan: (Alternative version of study report MRID no. 40040701). Conducted for American Hoechst Corporation, Somerville, NJ. WIL Laboratories, Inc., Ashland, OH. Project no. WIL-39028. [unpublished study]
- \*Hoechst. 1987. Endosulfan - active ingredient technical (code HOE 02671 OI ZD97 0003): 30-Day feeding study in adult male Wistar rats. Hoechst Aktiengesellschaft, Frankfurt, Germany. Project no. 87.0129. [unpublished study]
- \*Hoechst. 1988a. Beta-endosulfan (code HOE 052619 OI ZC99 0001): Testing for acute oral toxicity in the male and female Wistar rat. Hoechst Aktiengesellschaft, Frankfurt, Germany. Report no. 88.0822. [unpublished study]
- \*Hoechst. 1988b. Endosulfan - active ingredient technical (code HOE 02671 OI ZD97 0003): Carcinogenicity study in mice: 24-Month feeding study. Hoechst Aktiengesellschaft, Frankfurt, Germany. TOXN no. 83.0113. [unpublished study]
- \*Hoechst. 1988c. Endosulfan - substance technical (code HOE 02671 OI ZD96 0002): Testing of host resistance in the female Wistar rat (Immunotoxicological screening with *Trichinella spiralis*). Hoechst Aktiengesellschaft, Frankfurt, Germany. Study no. 88.1419.[unpublished study]
- \*Hoechst. 1988d. Evaluation of endosulfan - substance technical (code HOE 02671 OI ZD95 0005) in the unscheduled DNA synthesis test in mammalian cells *in vitro*. Hoechst Aktiengesellschaft, Frankfurt, Germany. Study no. 88.0106. [unpublished study]
- Hoechst. 1988e. Endosulfan - Substance Technical (Code: HOE 002671 OI ZD97 0003)/ Carcinogenicity study in mice: 24 month feeding study. Hoechst Celanese Corporation, Somerville, New Jersey (author HH Donaubaue). TOXN NO. 83.0113 (Volume 1 of 13). April 6, 1988. [unpublished study]
- Hoechst. 1988f. Endosulfan - Substance Technical (Code: HOE 002671 OI ZD97 0003)/ Carcinogenicity study in mice: 24 month feeding study. Hoechst Celanese Corporation, Somerville, New Jersey (author HH Donaubaue). TOXN NO. 83.0113 (Volume 2 of 13). April 6, 1988. [unpublished study]
- \*Hoechst. 1989a. Endosulfan - substance technical (code HOE 02671 OI ZD97 0003): Combined chronic toxicity/carcinogenicity study: 104-Week feeding in rats. Conducted for Hoechst Aktiengesellschaft, Frankfurt, Germany. Huntington Research Centre, Cambridgeshire, England. Project no. HST 289/881067. [unpublished study]
- \*Hoechst. 1989b. Endosulfan-beta - substance technical (code: HOE 052619 OI ZC99 0001): Preliminary cumulative dermal toxicity (5 treatments on 5 successive days) in the Wistar rat. Hoechst Aktiengesellschaft, Frankfurt, Germany. Report no. 89.0891. [unpublished study]



## 8. REFERENCES

- \*Hoechst. 1989c. Endosulfan - substance technical (code HOE 02671 OI ZD96 0002): Testing for toxicity by repeated oral administration (1-year feeding study) to Beagle dogs. Conducted for Hoechst Aktiengesellschaft, Frankfurt, Germany. Project no. 87.0643. [unpublished study]
- \*Hoechst. 1990. Summary and evaluation of the toxicity data for endosulfan - substance technical. (code: HOE 002671) Hoechst Aktiengesellschaft, Frankfurt, Germany. Report no. 90.0848. [unpublished study]
- \*Hoel DG, Davis, DL, Miller AB, et al. 1992. Trends in cancer mortality in 15 industrialized countries, 1969-1986. *J Natl Cancer Inst* 84(5):313-320.
- \*Hoff RM, Muir DCG, Grift NP. 1992. Annual cycle of polychlorinated biphenyls and organohalogen pesticides in air in southern Ontario. 1. Air concentration data. *Environ Sci Technol* 26(2):266-275.
- \*Howard PH, et al. 1991. Handbook of environmental fate and exposure data for organic chemicals. Volume III. Lewis Publishers, 327-343.
- \*Howland MA. 1990. Insecticides: Chlorinated and other forms. In: Goldfrank LR, Flomenbaum NE, Lewin NA, et al. eds. *Goldfrank's toxicologic emergencies*. 4th ed. Norwalk, CT: Appleton & Lange, 693-697.
- \*HSDB. 1999. Hazardous Substance Data Bank. National Library of Medicine. National Toxicology Program. Bethesda, MD.
- \*Hsu J-T, Ying C, Lan H-C. 1998. The effects of pesticides chlordane, dieldrin and endosulfan on the growth of human breast cancer cell lines MCF-7 and SK-BR-3. *J Chinese Agri Chem Soc* 36(6):535-546.
- Hughes JT, Wilson PD. 1972. Endosulfan residues on tomatoes, potatoes, cabbages, and cauliflowers. *N Z Journal of Agricultural Research* 15:495-505.
- Hurwood IS. 1976. Determination of endosulfan and metabolites in biological material. *Residue* 3:25-29.
- Hyland JL, Snoots TR, Balthis WL. 1998. Sediment quality of estuaries in the southeastern U.S. *Environ Monit Assess* 51:331-343.
- \*IARC. 1987. IARC monographs on the evaluation of the carcinogenic risk to humans. Overall evaluations of carcinogenicity: an updating of IARC monographs volumes 1 to 42. Supplement 7. International Agency for Research on Cancer. Lyon, France.
- IARC. 1998. IARC monographs on the evaluation of carcinogenic risks to humans. Overall evaluations of carcinogenicity. (on-line search). International Agency for Research on Cancer. <http://193.51.164/default.html>
- \*Idaho Department of Health and Welfare. 1999. Air pollution control. Idaho Department of Health and Welfare. Rule 16.01.01. <http://www.state.id.us/>.
- \*Indraningsih, McSweeney CS, Ladds PW. 1993. Residues of endosulfan in the tissues of lactating goats. *Aust Vet J* 70(2):59-62.

## 8. REFERENCES

\*Industria Prodotti Chimici. 1975. Primary skin irritation study in rabbits: Endosulfan technical. Final report. Hazleton Laboratories America, Inc., Vienna, VA. Project no. 915-111.

Innes JRM, Ulland BM, Valerio MG, et al. 1969. Bioassay of pesticides and industrial chemicals for tumorigenicity in mice: A preliminary note. J Natl Cancer Inst 42:1101-1114.

\*IRIS 2000. IRIS Substance File. Endosulfan. Integrated Risk Information System. March 31, 2000. <http://www.epa.gov/ngispgm3/iris/subst/0235.htm>

Izmerov NF, Sanotsky IV, Sidorov KK. 1977. Toxicometric parameters of industrial toxic chemicals under single exposure. Moscow, USSR: Centre of International Projects, GKNT, 72.

Janah S, Hussain QZ, Chaudhuri SN. 1970. Effect of hydrocortisone on immune cytokinetics. Part 1--Effects of different dose schedules on 19S and 7S antibody forming cells in Jerne's plaque technique. Indian J Med Res 58:1206-1216.

\*Janik F, Wolf HU. 1992. The Ca<sup>2+</sup>-transport-atpase of human erythrocytes as an *in vitro* toxicity test system - acute effects of some chlorinated compounds. J Appl Toxicol 12(5):351-358.

\*Johanson CE. 1980. Permeability and vascularity of the developing brain: Cerebellum vs cerebral cortex. Brain Research 190:3-16.

Johnson ML, Salveson A, Holmes L, et al. 1998. Environmental estrogens in agricultural drain water from the Central Valley of California. Bull Environ Contam Toxicol 60:609-614.

Johnson RD, Manske DD, New DH, et al. 1979. Pesticides and other chemical residues in infant and toddler total diet samples--(I)--August 1974-July 1975. Pestic Monit J 13:87-98.

Johnson RD, Manske DD, Podrebarac DS. 1981. Pesticide, metal, and other chemical residues in adult total diet samples--(XII)--August 1975-July 1976. Pestic Monit J 15:54-69.

Joshi HC. 1987. Pesticide residues in some fish ponds in West Bengal (India). Technical Annual - Indian Association for Water Pollution Control 14:35-38.

\*Kammerbauer J, Moncada J. 1998. Pesticide residue assessment in three selected agricultural production systems in the Choluteca River Basin of Honduras. Environ Pollut 103:171-181.

\*Kansas State Health and Environment. 1998. Kansas Department of Health & Environment. Rules and Regulations. Section 28-16. Water Pollution Control. <http://www.dkhe.state.ks.us/>

Karpati Z, Gyorfi L, Csanday M, et al. 1998. Pesticides in drinking water. Egeszsegtudomány 42(2):143-152.

\*Kathpal TS, Singh A, Dhankhar JS, et al. 1997. Fate of endosulfan in cotton soil under sub-tropical conditions in Northern India. Pestic Sci 50:21-27.

\*Kaur I, Kumar A, Duraja P. 1997. Separation of endosulphan and its major metabolites by GC and HPLC. Biomed Chromatogr 11:33-35.

\*Kaur I, Mathur RP, Tandon SN, et al. 1998. Persistence of endosulfan (technical) in water and soil. Environmental Technology 19(1):115-119.

## 8. REFERENCES

- Kavadia VS, Gupta HCL, Pareek BL, et al. 1977. Residues of endosulfan, carbaryl and malathion in maize. *Entomol* 2:157-159.
- Kavadia VS, Noor A, Saxena RC. 1974. Residues and persistence of endosulfan (Thiodan) in the head and leaves of cauliflower. *J Food Sci Technol* 11:63-65.
- Kay SH. 1984. Potential for biomagnification of contaminants within marine and freshwater food webs. Vicksburg, MS: Department of the Army, Waterways Experiment Station, Corps of Engineers. D-84-7.
- \*Kazen C, Bloomer A, Welch R, et al. 1974. Persistence of pesticides on the hands of some occupationally exposed people. *Arch Environ Health* 29:315-318.
- Keil JE, Loadholt CB, Brown BL, et al. 1972. Decay of parathion and endosulfan residues on field-treated tobacco, South Carolina--1971. *Pestic Monit J* 6:73-75.
- Keith LH, Hall RC, Hanisch RC, et al. 1983. New methods for gas chromatographic analysis of water pollutants. In: Jolley RL, Brungs WA, Cotruvo JA, et al., eds. *Water chlorination: Environmental impact and health effects*. Vol. 4 (Book 1: Chemistry and water treatment), Ann Arbor Science. Ann Arbor, MI: The Butterworth Group, 563-582.
- \*Kenne K, Fransson-Steen R, Honkasalo S, et al. 1994. Two inhibitors of gap junctional intercellular communication, TPA and endosulfan: Different effects on phosphorylation of connexin 43 in the rat liver epithelial cell line, IAR 20. *Carcinogenesis* 15(6):1161-1165.
- Kerr SH, Brogdon JE. 1959. Relative toxicity to mammals of 40 pesticides. *Agricultural Chemicals* 14:44-45, 135.
- \*Khan PK, Sinha SP. 1996. Ameliorating effect of vitamin C on murine sperm toxicity induced by three pesticides (endosulfan, phosphamidon and mancozeb). *Mutagenesis* 11(1):33-36.
- \*Khanna RN, Misra D, Anand M, et al. 1979. Distribution of endosulfan in cat brain. *Bull Environ Contam Toxicol* 22:72-79.
- \*Khurana SK, Chauhan RS, Mahipal SK. 1998. Immunotoxic effects of cypermethrin and endosulfan on macrophage functions of broiler chicks. *Indian Journal of Animal Sciences* 68(2):105-106.
- \*Kiran R, Varma MN. 1988. Biochemical studies on endosulfan toxicity in different age groups of rats. *Toxicol Lett* 44:247-252.
- Knowles CO. 1974. Detoxication of acaricides by animals. In: Khan MAQ, Bederka JP, eds. *Survival in toxic environments*. New York, NY: Academic Press, Inc., 155-176.
- \*Komori M, Nishio K, Kitada M et al. 1990. Fetus-specific expression of a form of cytochrome P-450 in human liver. *Biochemistry* 29:4430-4433.
- Koshkaryan AO, Aslanyan GT, Mirzoyan MA, et al. 1989. [Impact of isomers and the major metabolite of endosulfan on the state of liver microsomal systems]. *Gig Sanit* 3:93-94. (Russian)
- Koshy G, Das NM, Nair MR, et al. 1973. Deterioration of insecticides on glass and on leaf surface. *Agricultural Research Journal of Kerala* 10:128-132.

## 8. REFERENCES

- Kreuger J, Brink N. 1988. Losses of pesticides from arable land. *Vaxtskyddsrapport Jordbruk* 49:50-61.
- \*Krishnan K, Andersen ME. 1994. Physiologically-based pharmacokinetic modeling in toxicology. In: Wallace Hayes, ed. *Principles and methods of toxicology*. 3rd edition. New York, NY: Raven Press, Ltd.
- \*Krishnan K, Andersen ME, Clewell HJ III, et al. 1994. Physiologically-based pharmacokinetic modeling of chemical mixtures. In: R.S.A. Yang, ed. *Toxicology of chemical mixtures. Case studies, mechanisms, and novel approaches*. New York, NY: Academic Press.
- Kuchen A, Müller F, Farine M, et al. 1999. [Pesticides and other chemical residues in Swiss total diet samples]. *Mitt Geb Lebensmittelunters Hyg* 90(1):78-107. (German)
- \*Kurinyi AI, Pilinskaya MA, German IV, et al. 1982. Implementation of a program of cytogenetic study of pesticides: Preliminary evaluation of cytogenetic activity and potential mutagenic hazard of 24 pesticides. *Tsitol Genet* 16:50-53.
- Kushwaha KS, Pal SK. 1978. Persistence of carbaryl and endosulfan residues in/on tomato (*Lycopersicon esculentum* Mill) fruit under arid conditions. *Indian J Entomol* 40:187-190.
- \*Kutz FW, Yobs AR, Yang HS, C. 1976. National pesticide monitoring programs. In: Lee RE, ed. *Air pollution from pesticides and agricultural processes*. FL: CRC Press, 95-136.
- \*Lakshmana MK, Raju TR. 1994. Endosulfan induces small but significant changes in the levels of noradrenaline, dopamine and serotonin in the developing rat brain and deficits in the operant learning performance. *Toxicology* 91(2):139-50.
- Law RJ, Dobson JE. 1998. UK national marine analytical quality control scheme: The assessment of performance in the determination of organochlorines in water, 1992-1996. *Mar Pollut Bull* 36(4):331-343.
- \*Lebailly P, Vigreux C, Lechevrel C, et al. 1998. DNA damage in mononuclear leukocytes of farmers measured using the alkaline comet assay: Modifications of DNA damage levels after a one-day field spraying period with selected pesticides. *Cancer Epidemiol Biomarkers Prev* 7:929-940.
- \*Le Bel GL, Williams DT. 1986. Determination of halogenated contaminants in human adipose tissue. *J Assoc Off Anal Chem* 69:451-458.
- \*Lee N, Beasley HL, Kimber S WL, et al. 1997a. Application of immunoassays to studies of the environmental fate of endosulfan. *J Agric Food Chem* 45(10):4147-4155.
- \*Lee N, Beasley HL, Silburn M, et al. 1997b. Validation and application of immunoassays to studies of the environmental fate of endosulfan. 213th National Meeting Of The American Chemical Society, San Francisco, California, USA, April 13-17, 1997. Abstracts of Papers American Chemical Society. Abstract #117.
- \*Leeder JS, Kearns GL. 1997. Pharmacogenetics in pediatrics: implications for practice. *Pediatr Clin North Am* 44:55-77.

## 8. REFERENCES

- Legler J, van den Brink C, Brouwer A, et al. 1998. Assessment of (anti-)estrogenic compounds using a stably transfected luciferase reporter gene assay in the human T47-D breast cancer cell line. *Organohalogen Compounds* 37:265.
- \*Legler J, van den Brink CE, Brouwer A, et al. 1999. Development of a stably transfected estrogen receptor-mediated luciferase reporter gene assay in the human T47D breast cancer cell line. *Toxicol Sci* 48:55-66.
- \*Leung H. 1993. Physiologically-based pharmacokinetic modeling. In: Ballantine B, Marrs T, Turner P, eds. *General and applied toxicology*. Vol. 1. New York, NY: Stockton Press, 153-164.
- \*Leung AM, McDonough DM, West CD. 1998. Determination of endosulfans in soil/sediment samples from Point Mugu, Oxnard, CA, using capillary gas chromatography/mass selective detection (GC/MSD). *Environmental Monitoring and Assessment* 50(1):85-94.
- Leys JF, Larney FJ, Muller JF, et al. 1998. Anthropogenic dust and endosulfan emissions on a cotton farm in northern New South Wales, Australia. *Sci Total Environ* 220:55-70.
- Li CF, Bradley RL, Schultz LH. 1970. Fate of organochlorine pesticides during processing of milk into dairy products. *J Assoc Anal Chem* 53:127-193.
- \*Lindquist DA, Dahm PA. 1957. Some chemical and biological experiments with Thiodan. *J Econ Entom* 50:483-486.
- \*Livingston, AL. 1978. Forage plant estrogens. *J Toxicol Environ Health* 4:301-324.
- \*Lo RSK, Chan JC, Cockram CS, et al. 1995. Acute tubular necrosis following endosulphan insecticide poisoning. *J Toxicol Clin Toxicol* 33(1):67-69.
- \*Lonsway JA, Byers ME, Dowla HA, et al. 1997. Dermal and respiratory exposure of mixers/sprayers to acephate, methamidophos, and endosulfan during tobacco production. *Bull Environ Contam Toxicol* 59(2):179-186.
- \*Lutter C, Iyengar V, Barnes R, et al. 1998. Breast milk contamination in Kazakhstan: implications for infant feeding. *Chemosphere* 37(9-12):1761-1772.
- \*L'Vova TS. 1984. [Study of the mutagenic effect of 5 promising pesticides in mouse bone marrow cultured human peripheral blood lymphocytes, and in the yeast *Saccharomyces-cerevisiae*.] *Tsitol Genet* 18:455-457. (Russian)
- \*Lyman WJ. 1990. Adsorption coefficient for soils and sediment. In: *Handbook of chemical property estimation methods. Environmental behavior of organic compounds*. Lyman WJ, Reehl WF, Rosenblatt DH, eds. Washington, DC: American Chemical Society .
- \*Magdic S, Pawliszyn JB. 1996. Analysis of organochlorine pesticides using solid-phase microextraction. *J Chromatogr A* 723(1):111-122.
- \*Maguire RJ, Kuntz KW, Hale EJ. 1983. Chlorinated hydrocarbons in the surface microlayer of the Niagara River. *J Great Lakes Res* 9:281-286.

## 8. REFERENCES

- \*Maier-Bode H. 1968. Properties, effect, residues and analytics of the insecticide endosulfan. *Residue Rev* 22:1-44.
- Mancini G, Carbonara AO, Heremans JE. 1965. Immunochemical quantitation of antigens by single radial immunodiffusion. *Immunochem* 2:235-254.
- Manske DD, Corneliusen PE. 1974. Residues in food and feed: Pesticide residues in total diet samples (VII). *Pestic Monit J* 8:110-124.
- Manske DD, Johnson RD. 1977. Pesticide and other chemical residues in total diet samples (X). *Pestic Monit J* 10:134-148.
- \*Mariani G, Benfenati E, Fanelli R. 1995. A NICI-GC-MS method to analyze endosulfan in biological samples. *Int J Environ Anal Chem* 58(1-4):67
- \*Marsden PJ, Pearson JG, Bottrell DW. 1986. Pesticide analytical methods - general description and quality control considerations. In: Perket CL, ed. *Quality control in remedial site investigation: Hazardous and industrial solid waste testing (ASTM Spec Tech Publ 925)*. Vol. 5. Philadelphia, PA: American Society for Testing and Materials, 198-212.
- \*Martens R. 1976. Degradation of 8.9 carbon-14] endosulfan by soil microorganisms. *Appl Environ Microbiol* 31:853-858.
- \*Martens R. 1977. Degradation of endosulfan (-8,9-14C) in soil under different conditions. *Bull Environ Contam Toxicol* 17:438-446.
- Martin H, Worthing CR. 1977. *Pesticide manual*. 5th ed. Thornton Heath, UK: British Crop Protection Council, 232.
- Martin RJ, Duggan RE. 1968. Pesticide residues in total diet samples (III). *Pestic Monit J* 1:11-20.
- \*Maybe WR, Smith JH, Podoll RT, et al. 1982. Aquatic fate process for organic priority pollutants. Final Report. Washington, DC: U.S. Environmental Protection Agency. EPA-440/4-81-014.
- \*Mayr U, Butsch A, Schneider S. 1992. Validation of two in vitro test systems for estrogenic activities with zearalenone, phytoestrogens and cereal extracts. *Toxicology* 74:135-149.
- McCaskey TA, Liska BJ. 1967. Effect of milk processing methods on endosulfan, endosulfan sulfate, and chlordane residues in milk. *J Dairy Sci* 50:1991-1993.
- \*McFall JA, Antoine SR, DeLeon IR. 1985. Organics in the water column of Lake Pontchartrain. *Chemosphere* 14(9):1253-1265.
- \*McGregor DB, Brown A, Cattanaach P, et al. 1988. Responses of the L5178Y tk+/tk- mouse lymphoma cell forward mutation assay: III. 72 coded chemicals. *Environ Mol Mutagen* 12:85-154.
- McLachlan JA. 1977. Synergistic effect of environmental estrogens: Report withdrawn. *Science* 277:462-463.
- McMahon BM. 1984. Report on organohalogen pesticides. *J Assoc Off Anal Chem* 67:385-388.

## 8. REFERENCES

- \*Melnikov NN. 1971. The chemistry of pesticides. *Residue Rev* 36:267-268.
- \*Metcalf RL. 1995. Insect control technology. In: Kirk-Othmer's Encyclopedia of Chemical Technology. 4<sup>th</sup> Ed. New York, NY. John Wiley & Sons.
- \*Miles CJ, Pfeuffer RJ. 1997. Pesticides in canals of south Florida. *Arch Environ Contam Toxicol* 32(4):337-345.
- Miles JRW. 1976. Insecticide residues on stream sediments in Ontario, Canada. *Pestic Monit J* 10:87-91.
- \*Miles JRW, Harris CR. 1971. Insecticide residues in a stream and a controlled drainage system in agricultural areas of southwestern Ontario, 1970. *Pestic Monit J* 5:289-294.
- \*Miles JRW, Moy P. 1979. Degradation of endosulfan and its metabolites by a mixed culture of soil microorganisms. *Bull Environ Contam Toxicol* 23:13-19.
- \*Misra D, Khanna RN, Anand M, et al. 1982. Interaction of endosulfan with erythrocyte membrane. *J Adv Zool* 3:135-141.
- \*Misra R, Srivastava N, Misra UK, et al. 1980. Effect of endosulphan on aniline hydroxylase activity of hepatic SER in rats fed lysine, threonine deficient and supplemented rice diets. *Nutrition Reports International* 21:425-428.
- \*Mitchell LR. 1976. Collaborative study of the determination of endosulfan, endosulfan sulfate, tetrasul, and tetradifon residues in fresh fruits and vegetables. *J Assoc Off Anal Chem* 59:209-212.
- Mix MC. 1984. Polycyclic aromatic hydrocarbons in the aquatic environment: Occurrence and biological monitoring. In: Hodgson E, ed. *Reviews in environmental toxicology: I*. New York, NY: Elsevier Science Publishers B. V., 51-102.
- \*Montgomery JH. 1993. *Agrochemicals desk reference- environmental data*. Boca Raton, FL: Lewis Publishers, 192-193.
- Moriarty F, Walker CH. 1987. Bioaccumulation in food chains--a rational approach. *Ecotoxicol Environ Safety* 13:208-215.
- \*Moriya M, Ohta T, Watanabe K, et al. 1983. Further mutagenicity studies on pesticides in bacterial reversion assay systems. *Mutat Res* 116:185-216.
- \*Morselli PL, Franco-Morselli R, Bossi L. 1980. Clinical Pharmacokinetics in Newborns and Infants. Age-related differences and therapeutic implications. *Clin Pharmacokinet* 5:485-527.
- Mortensen, ML. 1986. Management of acute childhood poisonings caused by selected insecticides and herbicides. *Pediatric Toxicology* 33(2):421-445.
- Mount ME, Oehme FW. 1981. Insecticide levels in tissues associated with toxicity: A literature review. *Vet Hum Toxicol* 23:34-42.
- Mukerjee SK. 1985. The environmental photodegradation of pesticides. *Indian J Agric Chem* 18:1-9.

## 8. REFERENCES

- \*Mukherjee I, Gopal M. 1996. Insecticide residues in baby food, animal feed, and vegetables by gas liquid chromatography. *Bull Environ Contam Toxicol* 56(3):381-388.
- \*Munn MD, Gruber SJ. 1997. The relationship between land use and organochlorine compounds in streambed sediment and fish in the central Columbia plateau, Washington and Idaho, USA. *Environ Toxicol Chem* 16(9):1877-1887.
- \*Musial CJ, Peach ME, Stiles DA. 1976. A simple procedure for the confirmation of residues of alpha- and beta-endosulfan, dieldrin, endrin, and heptachlor epoxide. *Bull Environ Contam Toxicol* 16:98-100.
- \*Musil LS et al. 1990. Differential phosphorylation of the gap junction protein connexin43 in junctional communication-competent and -deficient cell lines. *J Cell Biol* 111:2077-2088.
- Naqvi SM, Vaishnavi C. 1993. Mini Review. Bioaccumulative potential and toxicity of endosulfan insecticide to non-target animals. *Comp Biochem Physiol C* 105(3):347-61.
- Narayan S, Misra UK. 1985. Delta-aminolevulinic acid synthetase and heme oxygenase activity in lung and liver of rats given DDT and endosulfan intratracheally. *Bull Environ Contam Toxicol* 34:24-28.
- \*Narayan S, Bajpai A, Chauhan SS, et al. 1985a. Lipid peroxidation in lung and liver of rats given DDT and endosulfan intratracheally. *Bull Environ Contam Toxicol* 34:63-67.
- \*Narayan S, Bajpai A, Tyagi SR, et al. 1985b. Effect of intratracheal administration of DDT and endosulfan on cytochrome P-450 and glutathione-s-transferase in lung and liver of rats. *Bull Environ Contam Toxicol* 34:55-62.
- Narayan S, Dani HM, Misra UK. 1984. Effect of intratracheally administered DDT and endosulfan on pulmonary and hepatic respiratory cytochromes. *Bull Environ Contam Toxicol* 33:193-199.
- NAS. 1972. Water quality criteria 1972, A report of the committee on water quality criteria. Washington, D.C.: National Academy of Sciences and National Academy of Engineering.
- \*NAS/NRC. 1989. Biological markers in reproductive toxicology. National Research Council. Board of Environmental Studies and Toxicology. Committee on Biological Markers. 15-35.
- \*Nath G, Dikshith TSS. 1979. Endosulfan residues in rat tissues. *Natl Acad Sci Lett* 2:278-279.
- \*Nath G, Datta KK, Dikshith TSS, et al. 1978. Interaction of endosulfan and metepa in rats. *Toxicology* 11:385-393.
- \*NATICH. 1992. National air toxics information clearinghouse. NATICH database. Report of state, local, and EPA air toxics activities. Final. U.S. Environmental Protection Agency, Office of Air Quality Planning and Standards, Research Triangle Park, NC. September 1, 1992.
- Navas JM, Segner H. 1998. Antiestrogenic activity of anthropogenic and natural chemicals. *Environ Sci Pollut Res* 5(2):75-82.
- \*NCI. 1968. Evaluation of carcinogenic, teratogenic and mutagenic activities of selected pesticides and industrial chemicals. Volume I: Carcinogenic study. Prepared by Bionetics Research Labs, Inc., Bethesda, MD: National Cancer Institute. NCI-DCCP-CG-1973-1-1.



## 8. REFERENCES

- \*NCI. 1978. Bioassay of endosulfan for possible carcinogenicity. Carcinogenesis Testing Program, NCI Technical Report Series No. 62, DHEW Publication no. NIH 78-1312. Bethesda, MD: National Cancer Institute. NCI-CG-TR-62.
- \*New Jersey Department of Environmental Protection. 1993. Ground water quality standards. Department of Environmental Protection. Division of Water Quality. NAJC 7:9-6.  
<http://www.state.nj.us/dep/>.
- \*Nicholson SS, Cooper GW. 1977. Apparent endosulfan toxicosis in calves [clinical item]. J Am Vet Med Assoc 130:319.
- \*NIOSH. 1984. National occupational exposure survey (1980-1983). U.S. Department of Health and Human Services, National Institute for Occupational Safety and Health, Cincinnati, OH. October 18, 1989.
- \*NIOSH. 1992. NIOSH recommendations for Occupational Safety and Health. Compendium of Policy Documents and Statements. U.S. Department of Health and Human Services. Public Health Services. Centers for Disease Control. National Institute for Occupational Safety and Health. Publication no. 92-100. Cincinnati, Ohio.
- \*NIOSH. 1995. Report to Congress on Workers' Home Contamination Study conducted under the workers' family protection act (29 U.S.C.671a). U.S. Department of Health and Human Services, Public Health Service, Centers for Disease Control and Prevention. National Institute for Occupational Safety and Health. September 1995.
- \*NIOSH. 1997. NIOSH Pocket Guide to Chemical Hazards. Endosulfan. U.S. Department of Health and Human Services. National Institute for Occupational Safety and Health. June 1997.
- \*NIOSH 1999. Online pocket guide to chemical hazards.  
[Wysiwyg://58/http://www.cdc.gov/niosh/npg.html](http://www.cdc.gov/niosh/npg.html)
- \*Noroozian E, Maris FA, Nielen MWF, et al. 1987. Liquid chromatographic trace enrichment with on-line capillary gas chromatography for the determination of organic pollutants in aqueous samples. Journal of High Resolution Chromatography and Chromatography Communications 10:17-24.
- \*Novak B, Ahmad N. 1989. Residues in fish exposed to sublethal doses of endosulfan and fish collected from cotton growing area. J Environ Sci Health B24:97-109.
- \*NRC. 1993. Pesticides in the diets of infants and children. National Research Council, Washington DC: National Academy Press.
- \*NRCC. 1975. Endosulfan: Its effects on environmental quality. Ottawa, Ontario: National Research Council Canada, Environmental Secretariat. Publication no. NRCC 14098.
- \*NTP. 1991. NTP Technical Report. TR-062. 01/18/78. NTP Chemical Repository (Radon Corporation, August 29, 1991). Endosulfan. National Toxicological Program. National Institute of Environmental Health Sciences.  
[http://ntp-db.niehs.nih.gov/NTP\\_Rep...em\\_H&S/NTP\\_Chem1/Radian115-29-7.txt](http://ntp-db.niehs.nih.gov/NTP_Rep...em_H&S/NTP_Chem1/Radian115-29-7.txt)
- \*OHM/TADS. 1989. Oil and Hazardous Materials/Technical Assistance Data System. Chemical Information Systems. September 14, 1989.

## 8. REFERENCES

- \*Olea N, Olea-Serrano F, Lardelli-Claret P, et al. 1999. Inadvertent exposure to xenoestrogens in children. *Toxicol Ind Health* 15(1-2):151-158.
- Olney CE. 1972. Transfer of pesticides through water, sediments, and aquatic life. U.S. Nat Tech Inform Serv, PB Rep. Kingston, RI: University of Rhode Island. Water Resources Project A-038-RI.
- Oser BL. 1965. Hawk's physiological chemistry. 14th ed. New York, NY: Blackiston Division, 1051-1056.
- OSHA. 1982. Access to employee exposure and medical records; proposed modification; request for comments and notice of public hearing. Occupational Safety and Health Administration. Federal Register 47:30420.
- \*OSHA. 1989a. Air Contaminants. Occupational Safety and Health Administration. Federal Register. 54 FR 2608. Final Rule. January 19, 1989.
- \*OSHA. 1989b. Toxic and hazardous substances. Occupational Safety and Health Administration. U.S. Environmental Protection Agency. Code of Federal Regulations. 29 CFR 1910.1000.
- \*OSHA. 1993. Air Contaminants. Occupational Safety and Health Administration. U.S. Department of Labor. Federal Register. 58 FR 35338. Final Rule. June 30, 1993.
- \*OSHA. 1997a. Occupational health and environmental controls. Threshold limit values of airborne contaminants for construction. Occupational Safety and Health Administration. Code of Federal Regulations. 29 CFR 1926.55, Appendix A.
- \*OSHA. 1997b. Occupational safety and health standards for shipyard employment. Toxic and hazardous substances. U.S. Department of Labor. Occupational Safety and Health Administration. Code of Federal Regulations. 29 CFR 1915.1000.
- \*OSHA 1999a. U.S. Department of Labor. Occupational Safety and Health Administration. Code of Federal Regulations. 29 CFR 1915.1000.
- \*OSHA 1999b. U.S. Department of Labor. Occupational Safety and Health Administration. Code of Federal Regulations. 29 CFR 1926.55.
- \*OTA. 1990. Neurotoxicology: Identifying and controlling poisons of the nervous system. Office of Technology Assessment, Washington, DC. OTA-BA-438.
- \*Oudbier AJ, Bloomer AW, Price HA, et al. 1974. Respiratory route of pesticide exposure as a potential health hazard. *Bull Environ Contam Toxicol* 12:1-9.
- \*Owen GM, Brozek J. 1966. Influence of age, sex, and nutrition on body composition during childhood and adolescence. In: Falkner F, ed. Human development. Philadelphia, PA: Saunders, 222-238.
- Ozmen G, Elcuman A. 1998. [Combined effects of endosulfan dimethoate and carbaryl on serum calcium levels and heart muscle of rats] *Turk J Biol* 22:317-322. (Turkish)
- \*Ozoe Y, Matsumura F. 1986. Structural requirements for bridged bicyclic compounds acting on picrotoxinin receptor. *J Agric Food Chem* 34:126-134.

## 8. REFERENCES

- Parkpian P, Anurakpongsatorn P, Patrick WHJ. 1998. Adsorption, desorption and degradation of  $\alpha$ -endosulfan in tropical soils of Thailand. *J Environ Sci Health B* 33(3):211-233.
- Patel Y, Kushwah HS, Kushwah A, et al. 1998a. In Vitro action of pesticides mixture on certain metabolic enzymes in rats. *Indian Vet J* 75:600-603.
- Patel Y, Kushwah HS, Kushwah A, et al. 1998b. Effect of chronic pesticides mixture toxicity on some enzymes in rats. *Indian Vet J* 75:698-700.
- Patel Y, Kushwan HS, Kushwah A, et al. 1998c. Biochemical and neuro-behavioural changes in rats exposed to pesticides mixture. *Indian Vet J* 75:744-746.
- Patil VB, Sevaikar MT, Padaliker SV. 1987. Specific spray reagent for the detection of endosulfan by thin-layer chromatography. *J Chromatogr* 396:441-443.
- \*Paul V, Balasubramaniam E, Jayakumar AR, et al. 1995. A sex-related difference in the neurobehavioral and hepatic effects following chronic endosulfan treatment in rats. *Eur J Pharmacol* 293(4):355-360.
- \*Paul V, Balasubramaniam E, Kazi M. 1994. The neurobehavioural toxicity of endosulfan in rats: a serotonergic involvement in learning impairment. *Eur J Pharmacol* 270(1):1-7.
- \*Pednekar MD, Gandhi SR, Netrawali MS. 1987. Evaluation of mutagenic activities of endosulfan, phosalone, malathion, and permethrin, before and after metabolic activation, in the Ames Salmonella test. *Bull Environ Contam Toxicol* 38:925-933.
- Penuela GA, Barcelo D. 1998. Application of C18 disks followed by gas chromatography techniques to degradation kinetics, stability and monitoring of endosulfan in water. *J Chromatogr* 795:93-104.
- Perscheid M, Schluter H, Ballschmitter K. 1973. [Aerobic degradation of endosulfan by microorganisms.] *Z Naturforsch* 28C:761-763. (German)
- \*Peterson SM, Batley GE. 1993. The fate of endosulfan in aquatic ecosystems. *Environ Pollut* 82:143-152.
- Petrova TM. 1985. [Photochemical degradation of some insecticides.] *Agrokhimiya* 5:97-101. (Russian)
- \*Planas C, Caixach J, Santos FJ, et al. 1997. Occurrence of pesticides in Spanish surface waters. Analysis by high resolution gas chromatography coupled to mass spectrometry. *Chemosphere* 34(11):2393-2406.
- \*Podrebarac DS. 1984a. Pesticide, heavy metal, and other chemical residues in infant and toddler total diet samples (IV): October 1977-September 1978. *J Assoc Off Anal Chem* 67:166-175.
- Podrebarac DS. 1984b. Pesticide, metal, and other chemical residues in adult total diet samples (XIV): October 1977-September 1978. *J Assoc Off Anal Chem* 67:176-185.
- \*Pokharkar DS, Dethe MD. 1981. Gas-liquid chromatographic studies on residues of endosulfan on chili fruits. *J Environ Sci Health B* 16:439-451.

## 8. REFERENCES

- \*Pomes A, Rodriguez-Farre E, Sunol C. 1994. Disruption of GABA-dependent chloride flux by cyclodienes and hexachlorocyclohexanes in primary cultures of cortical neurons. *J Pharmacol Exp Ther* 271(3):1616-1623.
- \*Popov VB, Protasova GA, Radilov AS. 1998a. Embryo-and genotoxic effects of two endosulfan forms in the culture of rat and mouse pre- and postimplantation embryos. *Ontogenez* 29(2):104-112.
- Popov VB, Protasova GA, Radilov AS. 1998b. Embryo-and genotoxic effects of two endosulfan forms (powder and microcapsular) in cultures of mouse and rate pre-and postimplantation embroyos. *Russ J Develop Biol* 29(2):76-82.
- \*Pradhan S, Pandey N, Phadke RV, et al. 1997. Selective involvement of basal ganglia and occipital cortex in a patient with acute endosulfan poisoning. *J Neurol Sci* 147(2):209-213.
- \*Pulido-Bosch A, Lopez-Chicano M, Machkova M, et al. 1999. Karst water environmental problems at the town of Dobrich, NE Bulgaria. In: Chilton, ed. *Groundwater in the urban development: Selected city profiles*. Rotterdam: Balkema, 225-231.
- Putnam TB, Bills DD, Libbey LM. 1975. Identification of endosulfan based on the products of laboratory photolysis. *Bull Environ Contam Toxicol* 13:662-665.
- \*Raizada RB, Srivastava MK, Dikshith TSS. 1991. Lack of estrogenic effects of endosulfan: An organochlorine insecticide in rat. *Nat Acad Sci Lett* 14(2):103-107.
- Rajukkannu K, Raj RR, Asaf AK, et al. 1976. Residues of endrin, parathion, carbaryl and endosulfan in vegetables. *Pesticides* 10:19-20.
- \*Ramamoorthy K, Wang F, Chen I-C, et al. 1997. Estrogenic activity of a dieldrin/toxaphene mixture in the mouse uterus, MCF-7 human breast cancer cells, and yeast-based estrogen receptor assays: No apparent synergism. *Endocrinology* 138(4):1520-1527.
- Rao DMR. 1981. Improved cleanup technique for estimation of endosulfan residues from fish tissues under tropical conditions. *J Assoc Off Anal Chem* 64:340-342.
- Rao DMR, Murty AS. 1980. Persistence of endosulfan in soils. *J Agric Food Chem* 28:1099-1101.
- Razi-Ul-Hussnain R, Khalil-ur-Rehman, Sheikh M A, et al. 1995. Effect of oral administration of endosulfan on the haematochemical parameters of rabbits. *Pakistan Veterinary Journal* 15(2):81-84.
- Rekolainen S. 1988. Occurrence and leaching of pesticides in waters draining from agricultural land. In: Angeletti G, Bjorseth A, eds. *Commission of the European communities water pollution research reports: 4. Organic micropollutants in the aquatic environment*. Fifth European Symposium, Rome, Italy, October 20-22, 1987. Dordrecht, Netherlands: Kluwer Academic Publishers, 195-197.
- \*Reuber MD. 1981. The role of toxicity in the carcinogenicity of endosulfan. *Sci Total Environ* 20:23-47.
- Rhode Island Department of Environmental Management. 1992. Air toxics. Division of Air and Hazardous Materials. Air pollution control regulation No. 22. <http://www.sec.state.ri.us/dem/>.

## 8. REFERENCES

- \*Rice CP, Chernyak SM, Hapeman CJ, et al. 1997. Air-water distribution of the endosulfan isomers. *J Environ Qual* 26:1101-1106.
- Rice CP, Hapeman CJ, Chernyak SM. 1997. Experimental evidence for the interconversion of endosulfan isomers. 213th National Meeting Of The American Chemical Society, San Francisco, California, USA, April 13-17, 1997. Abstracts of Papers American Chemical Society 213(1-3).
- Richardson M. 1998. Pesticides - friend of foe? *Water Sci Technol* 37(8):19-25.
- Rieske JS. 1967. The quantitative determination of mitochondrial hemoproteins. *Methods Enzymol* 10:448-493.
- Ritter CL, Malejka-Giganti D. 1982. Mixed function oxidase in the mammary gland and liver microsomes of lactating rats. *Biochem Pharmacol* 31:239-247.
- \*Roberts D. 1972. The assimilation and chronic effects of sub-lethal concentrations of endosulfan on condition and spawning in the common mussel *Mytilus edulis*. *Marine Biology* 16:119-125.
- \*Rosa R, Rodriguez-Farre E, Sanfeliu C. 1996. Cytotoxicity of hexachlorocyclohexane isomers and cyclodienes in primary cultures of cerebellar granule cells. *J Pharmacol Exp Ther* 278(1):163-169.
- \*Roy RR, Albert RH, Wilson P, et al. 1995. U.S. Food and Drug Administration pesticide program: Incidence/level monitoring of domestic and imported pears and tomatoes. *J AOAC Int* 78(4):930-940.
- \*RTECS. 1989. Registry of Toxic Effects of Chemical Substances. U.S. Department of Health and Human Services, National Institute for Occupational Safety and Health, Washington, DC. May 11, 1989.
- \*Rudel H. 1997. Volatilisation of pesticides from soil and plant surfaces. *Chemosphere* 35(1-2):143-152.
- Rupa DS, Reddy PP, Reddi OS. 1989. Frequencies of chromosomal aberrations in smokers exposed to pesticides in cotton fields. *Mutat Res* 222:37-41.
- Rusibamayila CS, Ak'habuhaya JL, Lodenius M. 1998. Determination of pesticide residues in some major food crops of Northern Tanzania. *J Environ Sci Health B* 33(4):399-409.
- Safe SH. 1998. Interactions between hormones and chemicals in breast cancer. *Annu Rev Pharmacol Toxicol* 38:121-158.
- \*Safe S, Connor K, Ramamoorthy K, et al. 1997. Human exposure to endocrine-active chemicals: Hazard assessment problems. *Reg Toxicol Pharmacol* 26(1 Part 1):52-58.
- Saleh M, Kamel A, Ragab A, et al. 1996. Regional distribution of organochlorine insecticide residues in human milk from Egypt. *J Environ Sci Health B* 31(2):241-255.
- Sax NI, Lewis RJ, eds. 1987. *Hawley's condensed chemical dictionary*. 11th ed. New York, NY: Van Nostrand Reinhold Company, 462.
- Saxena SC, Shanmugavel S. 1985. Consequences of endosulfan and malathion applied to model aquatic ecosystem. *Indian Biol* 17:33-36.

## 8. REFERENCES

- \*Scarpato R, Hirvonen A, Migliore L, et al. 1997. Influence of GSTMI and GSTTI polymorphisms on the frequency of chromosome aberrations in lymphocytes of smokers and pesticide-exposed greenhouse workers. *Mutat Res* 389:227-235.
- \*Scarpato R, Migliore L, Angotzi G, et al. 1996a. Cytogenic monitoring of a group of Italian floriculturists: no evidence of DNA damage related to pesticide exposure. *Mutat Res* 367:73-82.
- \*Scarpato R, Migliore L, Hirvonen A, et al. 1996b. Cytogenetic monitoring of occupational exposure to pesticides: Characterization of GSTM1, GSTT1, and NAT2 Genotypes. *Environ Mol Mutagen* 27:263-269.
- \*Scheringer M. 1997. Characterization of the environmental distribution behavior of organic chemicals by means of persistence and spatial range. *Environ Sci Tech* 31(10):2891-2897.
- \*Schimmel SC, Patrick JM Jr, Wilson AJ Jr. 1977. Acute toxicity to and bioconcentration of endosulfan by estuarine animals. In: Mayer FL, Hamelink JL, eds. *Aquatic toxicology and hazard evaluation*, ASTM STP 634. Philadelphia, PA: American Society for Testing and Materials, 241-252.
- \*Schuman SH, Dobson RL. 1985. An outbreak of contact dermatitis in farm workers. *J Am Acad Dermatol* 13:220-223.
- Schuphan I, Ballschmitter K, Toelg G. 1968. [On the metabolism of endosulfan in rats and mice.] *Z Naturforsch* 23B:701-706. (German)
- \*Setchell BP, Waites GMH. 1975. The blood testis barrier. In: Chapter 6 in *Handbook of Physiology: Endocrinology V* (Creep RO, Astwood EB (eds); Geiger SR (executive ed.)). American Physiological Society, Washington DC.
- \*Seth PK, Saidi NF, Agrawal AK, et al. 1986. Neurotoxicity of endosulfan in young and adult rats. *Neurotoxicology* 7:623-635.
- \*Shelby MD, Newbold RR, Tully DB, et al. 1996. Assessing environmental chemicals for estrogenicity using a combination of *in vitro* and *in vivo* assays. *Environ Health Perspect* 104(12):1296-1300.
- \*Shemesh Y, Bourvine A, Gold D, et al. 1988. Survival after acute endosulfan intoxication. *J Toxicol Clin Toxicol* 26:265-268.
- Shibata Y, Oyama M, Sato H, et al. 1998. Simultaneous cleanup method for multi pesticide residue analysis by GC and HPLC. *J Food Hyg Soc Jpn* 39(4):241-250.
- \*Siddiqui MKJ, Anjum F, Qadri SSH. 1987a. Some metabolic changes induced by endosulfan in hepatic and extra hepatic tissues of rat. *J Environ Sci Health B22*:553-564.
- \*Siddiqui MKJ, Rahman MF, Anjum F, et al. 1987b. Effect of oral administration of endosulfan on some hematological parameters and serum enzymes in rats. *Pesticides* 21:25-27.
- Singh A, Chawla RP. 1979. Persistence of endosulfan on grapes. *Pesticides* 13:46-47.
- \*Singh SK, Pandey RS. 1989. Gonadal toxicity of short term chronic endosulfan exposure to male rats. *Indian J Exp Biol* 27:341-346.

## 8. REFERENCES

- \*Singh SK, Pandey RS. 1990. Effect of sub-chronic endosulfan exposures on plasma gonadotrophins, testosterone, testicular testosterone and enzymes of androgen biosynthesis in rat. *Indian J Exp Biol* 28:953-956.
- \*Singh N, Singh CP, Kumar H, et al. 1992. Endosulfan poisoning: A study of 22 cases. *J Assoc Physicians India* 40(2):87-88.
- \*Sinha N, Narayan R, Saxena DK. 1997. Effect of endosulfan on the testis of growing rats. *Bull Environ Contam Toxicol* 58(1):79-86.
- \*Sinha N, Narayan R, Shanker R, et al. 1995. Endosulfan-induced biochemical changes in the testis of rats. *Vet Hum Toxicol* 37(6):547-549.
- \*Sittig M, ed. 1980. Priority toxic pollutants: Health impacts and allowable limits. Park Ridge, NJ: Noyes Data Corp, 208-213.
- \*Sobti RC, Krishan A, Davies J. 1983. Cytokinetic and cytogenetic effect of agricultural chemicals on human lymphoid cells *in vitro*: II. Organochlorine pesticides. *Arch Toxicol* 52:221-231.
- Sonnenschein C, Soto AM. 1998. An updated review of environmental estrogen and androgen mimics and antagonists. *J Steroid Biochem Mol Biol* 65(1):143-150.
- \*Sonnenschein C, Soto AM, Fernandez MF, et al. 1995. Development of a marker of estrogenic exposure in human serum. *Clinical Chemistry* 41(12 Suppl):1888-1895.
- Soto AM, Sonnenschein C. 1985. The role of estrogens on the proliferation of human breast tumor cells (MCF-7). *J Steroid Biochem* 23:87-94.
- \*Soto AM, Chung KL, Sonnenschein C. 1994. The pesticides endosulfan, toxaphene, and dieldrin have estrogenic effects on human estrogen-sensitive cells. *Environ Health Perspect* 102(4):380-383.
- \*Soto AM, Sonnenschein C, Chung KL, et al. 1995. The E-SCREEN assay as a tool to identify estrogens: An update on estrogenic environmental pollutants. *Environ Health Perspect Suppl* 103(7):113-122.
- Spencer EY, ed. 1982. Guide of the chemicals used in crop protection. Publication 1093. 7th ed. Ottawa, Canada: Research Institute, Agriculture, 254.
- \*SRI. 1989. SRI International. 1989 Directory of Chemical Producers- United States of America. Menlo Park, CA: Stanford Research Institute International. 834.
- \*SRI. 1997. SRI International. 1997 Directory of Chemical Producers - United States of America. Menlo Park, CA: Stanford Research Institute International. 793.
- \*Sriram K, Misra UK. 1983. Interaction of endosulfan and dietary vitamin A on rat hepatic drug metabolizing enzymes. *Acta Vitaminol Enzymol* 5:213-218.
- \*State of California. 1991. Setting revised specific numerical values. Department of Food and Agriculture. Division of Pest Management, Environmental Protection and Worker Safety. Environmental Monitoring and Pest Management Branch. Sacramento, CA.

## 8. REFERENCES

- \*Stewart DKR, Cairns KG. 1974. Endosulfan persistence in soil and uptake by potato tubers. *J Agric Food Chem* 22:984-986.
- \*Strachan WMJ, Huneault H. 1979. Polychlorinated biphenyls and organochlorine pesticides in Great Lakes precipitation. *Great Lakes Res* 5(1):61-68.
- \*Strachan WMJ, Huneault H, Schertzer WM, et al. 1980. Organochlorines in precipitation in the Great Lakes region. In: Afghan BK, McKay D, eds. *Hydrocarbons and halogenated hydrocarbons in the aquatic environment*. New York, London: Plenum Press, 387-396.
- Street JC, Sharma RP. 1975. Alteration of induced cellular and humoral immune responses by pesticides and chemicals of environmental concern: Quantitative studies of immuno-suppression by DDT, Aroclor 1254, carbaryl, carbofuran and methylparathion. *Toxicol Appl Pharmacol* 32:587-602.
- Sudhakar Y, Dikshit AK. 1999. Adsorbent selection for endosulfan removal from water environment. *J Environ Sci Health B* 34(1):97-118.
- Sukul P, Chakravarty A, Pal S, et al. 1988. Residue studies on endosulfan and aldrin in paddy. *Pesticides* 22:36-38.
- \*Suntio LR, Shiu WY, MacKay D, et al. 1988. Critical review of Henry's Law constants for pesticides. *Rev Environ Contam Toxicol* 103:1-59.
- Syhre M, Hanschmann G, Heber. 1998. Cleanup procedure for monitoring chlorinated compounds in animal feed and crops. *J AOAC Int* 81(3):513-517.
- Tejada AW, Varca LM, Calumpang SMP, et al. 1997. Fate of pesticides in a model rice paddy ecosystem. In: *Environ Behav Crop Prot Chem Proc Int Symp Use Nucl Relat Tech Stud Environ Behav Crop Prot Chem 1996*, Int Atom Energy Agency: Vienna, Austria pp. 265-278.
- \*Terranova AC, Ware GW. 1963. Studies of endosulfan in bean plants by paper and gas chromatography. *J Econ Entomol* 56:596-599.
- \*Terziev G, Dimitrova N, Rusev F. 1974. Forensic medical and forensic chemical study of acute lethal poisons with Thiodan. *Folia Med* 16:325-329.
- Thompson NP, Bardalaye PC, Waddill VH. 1979. Residue of endosulfan on sweet potato. *Proceedings of the Florida State Horticultural Society* 92:115-116.
- \*Toledo MCF, Jonsson CM. 1992. Bioaccumulation and elimination of endosulfan in zebra fish (*Brachydanio rerio*). *Pestic Sci* 36:207-211.
- Tomlin C. 1994. Endosulfan. *The pesticide manual: Incorporating the agrochemicals handbook*. 10th ed. Crop Protection Publications, and The Royal Society of Chemistry. 388-390.
- \*Tomlin C. 1997. Endosulfan. *The pesticide manual*. 11<sup>th</sup> ed. British Crop Protection Council. 459-461.
- TPCDB. 1989. Testing Priority Committee Database. U.S. Environmental Protection Agency, Washington, DC. October 6, 1989. 1-7.



## 8. REFERENCES

- Truhaut R, Gak JC, Graillot C. 1974. [Organochlorine insecticides: Research work on their toxic action, its modalities and mechanisms. Part 1: Comparative study of the acute toxicity on the hamster and the rat.] *Eur J Toxicol Environ Hyg* 7:159-166. (French)
- Tsaif WJ, Yang GY, Ger J, et al. 1988. Acute massive endosulfan poisoning: A study of 14 cases. *Vet Hum Toxicol* 30(4):370.
- \*Turner KO, Syvanen M, Meizel S. 1997. The human acrosome reaction is highly sensitive to inhibition by cyclodiene insecticides. *J Androl* 18(6):571-575.
- \*Tyagi SR, Sing Y, Srivastava PK, et al. 1984. Induction of hepatic mixed function oxidase system by endosulfan in rats. *Bull Environ Contam Toxicol* 32:550-556.
- Tyagi SR, Singh Y, Sriram K, et al. 1985. Quality and quantity of dietary protein and acute endosulfan metabolic toxicity in rat liver microsomes. *Indian J Med Res* 81:480-487.
- \*U.S. Congress. 1977. Federal water pollution control act, as amended by the clean water act of 1977. U.S. Congress. Public Law 95-217. December 28, 1977.
- U.S. Department of the Interior. 1969. Metabolism of pesticides. U.S. Department of the Interior, Bureau of Sport Fisheries and Wildlife. Washington, DC: U.S. Government Printing Office. Publication 127, 197.
- \*U.S. Department of the Interior. 1970. Toxicology of Thiodan in several fish and aquatic invertebrates. Washington, DC: Bureau of Sport Fisheries and Wildlife. *Investigations in Fish Control* 35:1-31.
- \*U.S. Department of the Interior. 1978. Metabolism of pesticides, update II. Washington, DC: U.S. Department of the Interior, Fish and Wildlife Service. Special Scientific Report - Wildlife no. 212, 133.
- \*Usha Rani MV, Reddy PP. 1986. Cytogenetic effects of aldrin and endosulfan in mice. *IRCS J Med Sci* 14:1125-1126.
- \*Usha Rani MV, Reddi OS, Reddy PP. 1980. Mutagenicity studies involving aldrin, endosulfan, dimethoate, phosphamidon, carbaryl and cerasan. *Bull Environ Contam Toxicol* 25:277-282.
- Van Dyk LP, Greeff CG. 1977. Endosulfan pollution of rivers and streams in the Loskop Dam cotton-growing area. *Agrochimophisica* 9:71-75.
- \*Velazquez A, Creus A, Xamena N, et al. 1984. Mutagenicity of the insecticide endosulfan in *Drosophila melanogaster*. *Mutat Res* 136:115-118.
- \*Venegas W, Zapata I, Carbonell E, et al. 1998. Micronuclei analysis in lymphocytes of pesticide sprayers from Concepcion, Chile. *Teratog Carcinog Mutagen* 18:123-129.
- Verma S, Lal R. 1976. Residues and residual toxicity of endosulfan on cauliflower. *Indian J Agric Sci* 46:125-129.
- \*Verschuere K. 1977. Handbook of environmental data on organic chemicals. Second Edition. New York, NY: Van Nostrand Reinhold Company, Inc.

## 8. REFERENCES

- Vettorazzi G. 1975. State of the art of the toxicological evaluation carried out by the Joint FAO/WHO Expert Committee on Pesticide Residues: I. Organohalogenated pesticides used in public health and agriculture. *Residue Rev* 56:107-134.
- Vettorazzi G. 1979. International regulatory aspects for pesticide chemicals: Volume I. Toxicity profiles. Boca Raton, FL: CRC Press, Inc.
- \*Vidal JLM. 1997. Analysis of lindane, .alpha.-and.beta.-endosulfan and endosulfan sulfate in greenhouse air by gas chromatography. *J Chromatog, A*, 765:99-108.
- \*Vidal JLM, Arrebola FJ, Fernandez-Gutierrez A, et al. 1998. Determination of endosulfan and its metabolites in human urine using gas chromatography-tandem mass spectrometry. *J Chromatogr* 719:71-78.
- \*Vieira I, Sonnier M, Cresteil T. 1996. Developmental expression of CYP2E1 in the human liver: hypermethylation control of gene expression during the neonatal period. *European Journal of Biochemistry* 238:476-483.
- \*Vonier PM, Crain DA, McLachlan JA, et al. 1996. Interaction of environmental chemicals with the estrogen and progesterone receptors from the oviduct of the American alligator. *Environ Health Perspect* 104(12):1318-1322.
- Vos JG. 1977. Immune suppression as related to toxicology. *CRC Critical Rev Toxicol* 5:67-101.
- \*Vos JG, Krajnc EI, Beekhof PK, et al. 1982. Methods for testing immune effects of toxic chemicals: Evaluation of the immunotoxicity of various pesticides in the rat. In: Miyamoto J, Kearney PC, eds. *Pesticide chemistry: Human welfare and the environment*. Oxford, England: Pergamon Press, 497-504.
- \*Wade MG, Desaulniers D, Leingartner K, et al. 1997. Interactions between endosulfan and dieldrin on estrogen-mediated processes *in vitro* and *in vivo*. *Reprod Toxicol* 11(6):791-798.
- Wali RK, Singh R, Dudeja PK, et al. 1982. Effect of a single oral dose of endosulfan on intestinal uptake of nutrients and on brush-border enzymes in rats. *Toxicol Lett* 12:7-12.
- Walker WW, Cripe CR, Pritchard PH, et al. 1988. Biological and abiotic degradation of xenobiotic compounds in *in vitro* estuarine water and sediment/water systems. *Chemosphere* 17:2255-2270.
- \*Wallace JC, Hites RA. 1996. Diurnal variations in atmospheric concentrations of polychlorinated biphenyls and endosulfan: implications for sampling protocols. *Environ Sci Technol* 30(2):444-446.
- Wania F, Hoff JT, Jia CQ, et al. 1998. The effects of snow and ice on the environmental behaviour of hydrophobic organic chemicals. *Environ Pollut* 102:25-41.
- \*Ware GW. 1967. Studies of pesticide residues on alfalfa using C14-labeled endosulfan. Wooster, OH: Ohio Agricultural Research and Development Center. Research Circular 151.
- Washuttl J. 1974. [Pesticides in milk and milk products.] *Wien Tierarztl Monatsschr* 61:44-51. (German)
- \*Weil LG, Dure G, Quentin KL. 1974. [Solubility in water of insecticide chlorinated hydrocarbons and polychlorinated biphenyls in view of water pollution.] *Z Wasser Abwasser Forsch* 7:169-175. (German)

## 8. REFERENCES

- Weinmann WD. 1970. [Analytical methods for the determination of alpha- and beta-endosulfan in technical material and their formulations.] *Nachrichtenbl Deut Pflanzenschutzdienstes* 22:24-27. (German)
- \*West JR, Smith HW, Chasis H. 1948. Glomerular filtration rate, effective renal blood flow, and maximal tubular excretory capacity in infancy. *J Pediatr* 32a:10-18.
- \*White-Stevens R, ed. 1971. *Pesticides in the environment*. Vol. 1, part 1, part 2, New York, NY: Marcel Dekker, Inc., 89, 140, 214-216, 227-236.
- \*WHO. 1984. Endosulfan. *International Programme on Chemical Safety. Environmental Health Criteria* 40. Geneva, Switzerland: World Health Organization, 1-62.
- \*Widdowson EM, Dickerson JWT. 1964. Chapter 17: Chemical composition of the body. In: C.L. Comar and Felix Bronner, eds. *Mineral metabolism: An advanced treatise, Volume II - the elements part A*. New York, NY: Academic Press.
- Wilkes PS. 1981. Gas-liquid chromatographic-mass spectrometric confirmation of endosulfan and endosulfan sulfate in apples and carrots. *J Assoc Off Anal Chem* 64:1208-1210.
- \*Williams DT, Le Bel GL, Junkins E. 1988. Organohalogen residues in human adipose autopsy samples from six Ontario municipalities. *J Assoc Off Anal Chem* 71:410-414.
- \*Willis GH, McDowell LL, Southwick LM, et al. 1987. Methoxychlor and endosulfan concentrations in unit-source runoff and in channel flow of a complex watershed. *Transactions of the American Society of Agricultural Engineers* 30:394-399.
- \*Wilson VS, LeBlanc GA. 1998. Endosulfan elevates testosterone biotransformation and clearance in CD-1 mice. *Toxicol Appl Pharmacol* 148(1):158-168.
- Windholz M, ed. 1983. *The Merck Index. An encyclopedia of chemicals and drugs*. 10<sup>th</sup> ed. Rahway, NJ.: Merck and Co., Inc.
- \*Wisconsin Department of Natural Resources. 1997. *Control of hazardous pollutants*. Wisconsin Department of Natural Resources. Chs. 400-499 NR 445. <http://www.dnr.state.wi.us/org/aw/air/index.htm>.
- Wiseman A, Goldfarb P, Ridgway T, et al. 1998. Gender hazards of oestrogens and mimics in water environments. *J Chem Technol Biotechnol* 71:3-5.
- Wolfe HR. 1976. Field exposure to airborne pesticides. In: Lee RE, ed. *Air pollution from pesticides and agricultural processes*. Cleveland, OH: CRC Press, 137-161.
- \*Wolfe HR, Armstrong JF, Staiff DC, et al. 1972. Exposure of spraymen to pesticides. *Arch Environ Health* 25:29-31.
- Wong HF, Donnelly JP. 1968. A preliminary pesticide survey in the Bay of Quinte and international section of the St. Lawrence River. Department of National Health and Welfare, Division of Public Health Engineering. Manuscript Report KR-68-4.
- \*Woodrow JE, Majewski MS, Seiber JN. 1986. Accumulative sampling of trace pesticides and other organics in surface water using XAD-4 resin. *J Environ Sci Health B21*:143-164.

## 8. REFERENCES

- \*Working Group on Pesticides. 1970. Ground disposal of pesticides: the problem and criteria for guidelines. Rockville, MD: Working Group on Pesticides. WGP-DR-1.
- Worthing CR, ed. 1987. The pesticide manual: A world compendium. 8th ed. Thornton Heath, UK: The British Crop Protection Council, 335-336.
- \*Yadav AS, Vashishat RK, Kakar SN. 1982. Testing of endosulfan and fenitrothion for genotoxicity in *Saccharomyces cerevisiae*. *Mutat Res* 105:403-407.
- Yadav GS, Kathpal TS, Khokar KS. 1988. Residues of endosulfan and monocrotophos in pigeon-pea. *Indian Journal of Plant Protection* 16:225-230.
- Yaqoob H, Ilahi A, Iqbal T, et al. 1995. Effect of oral administration of endosulfan on the haematoenzymic parameters of rabbits. *Pakistan Veterinary Journal* 15(2):61-64.
- \*Yess NJ, Gunderson EL, Roy RR. 1993. U.S. Food and Drug Administration monitoring of pesticide residues in infant foods and adult foods eaten by infants/children. *J AOAC Int* 76(3):492-507.
- Yess NJ, Houston MG, Gunderson EL. 1991a. Food and Drug Administration pesticide residue monitoring of foods: 1978-1982. *J AOAC Int* 74(2):265-272.
- Yess NJ, Houston MG, Gunderson EL. 1991b. Food and Drug Administration pesticide residue monitoring of foods: 1983-1986. *J AOAC Int* 74(2):273-280.
- \*Zaidi NF, Agrawal AK, Anand M, et al. 1985. Neonatal endosulfan neurotoxicity: Behavioral and biochemical changes in rat pups. *Neurobehav Toxicol Teratol* 7:439-442.
- \*Ziegler EE, Edwards BB, Jensen RL et al. 1978. Absorption and retention of lead by infants. *Pediatr Res* 12:29-34.
- Zimmerli B, Zimmermann H, Marek B. 1979. [The transfer of biocidal materials from coatings to the gas phase: Endosulfan.] *Chemosphere* 8:465-472. (German)
- \*Zoun PEF, Spierenburg TJ, Baars AJ. 1987. Gas chromatographic determination of endosulfan in fish and water samples. *J Chromatogr* 393:133-136.
- Zweig G, Sherma J. 1972. Thiodan (endosulfan). In: Zweig G, Sherma J, eds. Analytical methods for pesticides and plant growth regulators. Vol. VI. Gas chromatographic analysis. New York, NY: Academic Press, 511-513.