

## 9. REFERENCES

- \*Aaron CK, Howland MA. 1998. Insecticides: Organophosphates and carbamates. In: Goldfrank LR, Flomenbaum NE, Lewin NA, et al. eds. Goldfrank's toxicologic emergencies. 6th ed. Stamford, CT: Appleton & Lange, 1429-1449.
- \*ACGIH. 2005. Guthion. Threshold limit values for chemical substances and physical agents and biological exposure indices. Cincinnati, OH: American Conference of Governmental Industrial Hygienists, 13, 90.
- \*Adinolfi M. 1985. The development of the human blood-CSF-brain barrier. *Dev Med Child Neurol* 27:532-537.
- \*Adlercreutz H. 1995. Phytoestrogens: Epidemiology and a possible role in cancer protection. *Environ Health Perspect Suppl* 103(7):103-112.
- \*Agency for Toxic Substances and Disease Registry. 1989. Decision guide for identifying substance-specific data needs related to toxicological profiles; Notice. Agency for Toxic Substances and Disease Registry, Division of Toxicology. *Fed Regist* 54(174):37618-37634.
- \*Agency for Toxic Substances and Disease Registry. 2003. Toxicological profile for malathion. Atlanta, GA: Agency for Toxic Substances and Disease Registry. <http://www.atsdr.cdc.gov/toxprofiles/tp154.pdf>. August 11, 2006.
- \*Akgür SA, Ozturk P, Sozmen EY, et al. 1999. Paraoxonase and acetylcholinesterase activities in humans exposed to organophosphorus compounds. *J Toxicol Environ Health A* 58(8):469-474.
- \*Al-Adil KM, White ER, Winterlin WL, et al. 1973. Uptake and translocation of guthion by beans and barley. *J Agric Food Chem* 21(3):376-379.
- \*Alam MT, Kasatiya SS. 1976. Cytological effects of an organic phosphate pesticide on human cells *in vitro*. *Can J Genet Cytol* 18:655-671.
- \*Alam MT, Corbeil M, Chagnon A, et al. 1974. Chromosomal anomalies induced by the organic phosphate pesticide guthion in Chinese hamster cells. *Chromosoma* 49(1):77-86.
- \*Albright R, Johnson N, Sanderson TW. 1974. Pesticide residues in the top soil of five west Alabama counties. *Bull Environ Contam Toxicol* 12:378-384.
- \*Allen TR, Janiak T, Frei T, et al. 1990. 52-Week oral toxicity (feeding) study with azinphos-methyl (E 1582) in the dog. Mobay Corporation. Submitted to the U.S. Environmental Protection Agency. MRID41804801.
- \*Altman PL, Dittmer DS. 1974. Biological handbooks: Biology data book. Vol. III. 2nd ed. Bethesda, MD: Federation of American Societies for Experimental Biology, 1987-2008, 2041.

---

\* Cited in text

## 9. REFERENCES

- \*Andersen ME, Krishnan K. 1994. Relating *in vitro* to *in vivo* exposures with physiologically based tissue dosimetry and tissue response models. In: Salem H, ed. Animal test alternatives: Refinement, reduction, replacement. New York, NY: Marcel Dekker, Inc., 9-25.
- \*Andersen ME, Clewell HJ III, Gargas ML, et al. 1987. Physiologically based pharmacokinetics and the risk assessment process for methylene chloride. *Toxicol Appl Pharmacol* 87:185-205.
- \*Anderson P, Jack R, Burke C, et al. 2004. Surface water monitoring program for pesticides in salmonid-bearing streams, April to December 2003. A cooperative study conducted by the Washington State departments of ecology and agriculture. Olympia, WA: Washington State Department of Agriculture. <http://www.ecy.wa.gov/biblio/0403048.htm>. August 08, 2006.
- \*Aprea C, Sciarra G, Sartorelli P, et al. 1994. Biological monitoring of exposure to organophosphorus insecticides by assay of urinary alkylphosphates: Influence of protective measures during manual operations with treated plants. *Int Arch Occup Environ Health* 66:333-338.
- \*Astroff AB, Young AD. 1998. The relationship between maternal and fetal effects following maternal organophosphate exposure during gestation in the rat. *Toxicol Ind Health* 14(6):869-889.
- \*Atkinson R. 1985. Kinetics and mechanisms of the gas-phase reactions of hydroxyl radical with organic compounds under atmospheric conditions. *Chem Rev* 85:60-201.
- \*Auditore JV, Hartmann RC. 1959. Paroxysmal nocturnal hemoglobinuria—II. Erythrocyte acetylcholinesterase defect. *Am J Med* 27:401-410.
- \*Baker LW, Fitzell DL, Seiber JN, et al. 1996. Ambient air concentrations of pesticides in California. *Environ Sci Technol* 30:1365-1368.
- \*Bardin PG, Van Eeden SF. 1990. Organophosphate poisoning: Grading the severity and comparing treatment between atropine and glycopyrrolate. *Crit Care Med* 18(9):956-960.
- \*Barnes DG, Dourson M. 1988. Reference dose (RfD): Description and use in health risk assessments. *Regul Toxicol Pharmacol* 8:471-486.
- \*Bason CW, Colborn T. 1992. US application and distribution of pesticides and industrial chemicals capable of disrupting endocrine and immune systems. In: Colborn T, Clement C, eds. *Advances in modern environmental toxicology*. Princeton, NJ: Princeton Scientific Publishing Co., 335-345.
- \*Berger GS. 1994. Epidemiology of endometriosis. In: Berger GS, ed. *Endometriosis: Advanced management and surgical techniques*. New York, NY: Springer-Verlag, 3-7.
- \*Bianchi-Santamaria A, Gobbi M, Cembran M, et al. 1997. Human lymphocyte micronucleus genotoxicity test with mixtures of phytochemicals in environmental concentrations. *Mutat Res* 388(1):27-32.
- \*Brimijoin S, Koenigsberger C. 1999. Cholinesterases in neural development: New findings and toxicologic implications. *Environ Health Perspect Suppl* 107(1):59-64.
- \*Buratti FM, Volpe MT, Meneguz A, et al. 2003. CYP-specific bioactivation of four organophosphorothioate pesticides by human liver microsomes. *Toxicol Appl Pharmacol* 186(3):143-154.

## 9. REFERENCES

- \*Burke C, Anderson P, Cowles J, et al. 2005. Surface water monitoring program for pesticides in salmonid-bearing streams, April through October, 2004. A cooperative study by the Washington State departments of ecology and agriculture. Olympia, WA: Washington State Department of Agriculture. [www.ecy.wa.gov/biblio/0503025.html](http://www.ecy.wa.gov/biblio/0503025.html). August 08, 2006.
- \*Bush PB, Neary DG, Taylor JW, et al. 1986. Effects of insecticide use in a pine seed orchard on pesticide levels in fish. *Water Resour Bull* 22(5):817-827.
- \*California EPA. 1995. Sampling for pesticide residues in California well water, 1995 update of the well inventory database, for sampling results reported from July 1, 1994 to June 30, 1995. Sacramento: California Environmental Protection Agency, Department of Pesticides Regulation. <http://www.cdpr.ca.gov/docs/empm/pubs/ehapreps/e9506.htm>. May 05, 2006.
- \*California EPA. 2004. Azinphos-methyl (guthion). Risk characterization document (revision no. 1). California Environmental Protection Agency. <http://www.cdpr.ca.gov/docs/risk/rcd/azmrcdre.pdf>. May 05, 2006.
- \*Carere A, Ortali VA, Cardamone G, et al. 1978. Mutagenicity of dichlorvos and other structurally related pesticides in *Salmonella* and *Streptomyces*. *Chem Biol Interact* 22(2-3):297-308.
- \*Carlton FB, Simpson WM, Haddad LM. 1998. The organophosphates and other insecticides. In: Haddad LM, Shannon MW, Winchester JF, eds. *Clinical management of poisoning and drug overdose*. 3rd ed. Philadelphia, PA: W B Saunders Company, 836-845.
- \*Carrier G, Brunet RC. 1999. A toxicokinetic model to assess the risk of azinphosmethyl exposure in humans through measures of urinary elimination of alkylphosphates. *Toxicol Sci* 47:23-32.
- \*CDC. 2005. Third national report on human exposure to environmental chemicals. Atlanta, GA: Centers for Disease Control and Prevention, U.S. Department of Health and Human Services. NECH Pub No. 050-0570.
- \*CDPR. 2006. Summary of pesticide use report data. 2004. Sacramento, CA: California Environmental Protection Agency. Department of Pesticide Regulation. <http://www.cdpr.ca.gov/>. August 10, 2006.
- \*Chen HH, Sirianni SR, Huang CC. 1982a. Sister chromatid exchanges in Chinese hamster cells treated with seventeen organophosphorus compounds in the presence of a metabolic activation system. *Environ Mutagen* 4:621-624.
- \*Chen HH, Sirianni SR, Huang CC. 1982b. Sister-chromatid exchanges and cell-cycle delay in Chinese hamster V79 cells treated with 9 organophosphorus compounds (8 pesticides and 1 defoliant). *Mutat Res* 103(3-6):307-313.
- \*Chou C-HSJ, Williams-Johnson M. 1998. Health effects classification and its role in the derivation of minimal risk levels: Neurological effects. *Toxicol Ind Health* 14(3):455-471.
- \*Chukwudebe A, March RB, Othman M, et al. 1989. Formation of trialkyl phosphorothioate esters from organophosphorus insecticides after exposure to either ultraviolet light or sunlight. *J Agric Food Chem* 37:539-545.

## 9. REFERENCES

- \*Clark JM, Marion JR, Tessier DM, et al. 1991. Airborne drift residues collected near apple orchard environments due to application of insecticide mixtures. *Bull Environ Contam Toxicol* 46:829-836.
- \*Clewell HJ III, Andersen ME. 1985. Risk assessment extrapolations and physiological modeling. *Toxicol Ind Health* 1(4):111-131.
- \*Costa LG, Li WF, Richter RJ, et al. 1999. The role of paroxonase (PON1) in the detoxication of organophosphates and its human polymorphism. *Chem Biol Interact* 119-120:429-438.
- \*Costa LG, Schwab BW, Murphy SD. 1982. Tolerance to anticholinesterase compounds in mammals. *Toxicology* 25:79-97.
- \*Coupe RH, Manning MA, Foreman WT, et al. 2000. Occurrence of pesticides in rain and air in urban and agricultural areas of Mississippi, April-September 1995. *Sci Total Environ* 248(2-3):227-240.
- \*Coye MJ, Barnett PG, Midtling JE, et al. 1987. Clinical confirmation of organophosphate poisoning by serial cholinesterase analyses. *Arch Intern Med* 147:438-442.
- \*Curl CL, Fenske RA, Kissel JC, et al. 2002. Evaluation of take-home organophosphorus pesticide exposure among agricultural workers and their children. *Environ Health Perspect* 110(12):A787-A792.
- \*Dahm PA, Kopecky BE, Walker CB. 1962. Activation of organophosphorus insecticides by rat liver microsomes. *Toxicol Appl Pharmacol* 4:683-696.
- \*Danis T, Sakkas V, Stratis I, et al. 2002. Pesticide multiresidue analysis in fresh and canned peaches using solid phase extraction and gas chromatography techniques. *Bull Environ Contam Toxicol* 69:674-681.
- \*Dean A, Pugh J, Embrey K, et al. 1984. Organophosphate insecticide poisoning among siblings—Mississippi. *MMWR* 33:592-594.
- \*De Peyster A, Willis WO, Molgaard CA, et al. 1993. Cholinesterase and self-reported pesticide exposure among pregnant women. *Arch Environ Health* 48:348-352.
- \*Diaz Diaz R, Gaggi C, Sanchez-Hernandez JC, et al. 1995. The role of soil and active ingredient properties in degradation of pesticides: A preliminary assessment. *Chemosphere* 30(12):2375-2386.
- \*Doctor BP, Toker L, Roth E, et al. 1987. A microtiter assay for acetylcholinesterase. *Anal Chem* 166:399-403.
- \*DOT. 2005. Hazardous materials table. Marine pollutant. Department of Transportation. Code of Federal Regulations. 49 CFR 172.101, Appendix B. <http://www.access.gpo.gov/nara/cfr/cfr-table-search.html#page1>. March 08, 2006.
- \*Dubrovsky NM, Kratzer CR, Panshin SY, et al. 2000. Pesticide transport in the San Joaquin River basin. In: Steinheimer T, Ross L, Spittler T, eds. *Agrochemical fate and movement*. Washington, DC: American Chemical Society, 306-322.
- \*Ecobichon DJ. 1995. Toxic effects of pesticides. In: Klaassen CD, Amdur MO, Doull J, eds. *Casarett and Doull's toxicology: The basic science of poisons*. 5th ed. New York, NY: McGraw-Hill Companies, Inc, 643-689.

## 9. REFERENCES

- \*Ellman GL, Courtney KD, Valentino AJ, et al. 1961. A new rapid colorimetric determination of acetylcholinesterase activity. *Biochem Pharmacol* 7:88-95.
- \*EPA. 1978a. Teratology and acute toxicology of selected chemical pesticides administered by inhalation. Research Triangle Park, NC: U.S. Environmental Protection Agency, Office of Research and Development, Health Effects Research Laboratory. EPA600178003. PB277077.
- EPA. 1978b. Teratology of guthion. Research Triangle Park, NC: U.S. Environmental Protection Agency. EPA600178056. PB288457.
- \*EPA. 1990. 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. EPA600890066A.
- EPA. 1991a. Memorandum. Azinphos-methyl. Review of a chronic feeding/carcinogenicity study in rats. Washington, DC: U.S. Environmental Protection Agency. <http://www.epa.gov/pesticides/foia/reviews/058001.htm>. March 20, 2006.
- \*EPA. 1991b. Memorandum. Azinphos-methyl. One-generation rat reproductive study (83-4) section 6 (a) (2). Washington, DC: U.S. Environmental Protection Agency. <http://www.epa.gov/pesticides/foia/reviews/058001.htm>. March 20, 2006.
- EPA. 1992a. Azinphos-methyl. One-year dog feeding study. Washington, DC: U.S. Environmental Protection Agency. <http://www.epa.gov/pesticides/foia/reviews/058001.htm>. March 20, 2006.
- \*EPA. 1992b. Pesticides in ground water database-A compilation of monitoring studies: 1971-1991. Washington, DC: U.S. Environmental Protection Agency. EPA7341292001.
- \*EPA. 1994a. Method 3541: Automated soxhlet extraction. In: SW-846 on-line. U.S. Environmental Protection Agency. Office of Solid Waste. <http://www.epa.gov/epaoswer/hazwaste/test/pdfs/3541.pdf>. April 10, 2006.
- \*EPA. 1994b. Methods for derivation of inhalation reference concentrations and application of inhalation dosimetry. Washington, DC: U.S. Environmental Protection Agency, Office of Health and Environmental Assessment, Office of Research and Development, Environmental Criteria and Assessment Office. EPA600890066F.
- \*EPA. 1996a. Method 3510C: Separatory funnel liquid-liquid extraction. In: SW-846 on-line. U.S. Environmental Protection Agency. Office of Solid Waste. <http://www.epa.gov/epaoswer/hazwaste/test/pdfs/3510c.pdf>. April 10, 2006.
- \*EPA. 1996b. Method 3540C: Soxhlet extraction. U.S. Environmental Protection Agency. In: SW-846 on-line. U.S. Environmental Protection Agency. Office of Solid Waste. <http://www.epa.gov/epaoswer/hazwaste/test/pdfs/3540c.pdf>. April 10, 2006.
- \*EPA. 1996c. Method 3550B: Ultrasonic extraction. In: SW-846 on-line. U.S. Environmental Protection Agency. Office of Solid Waste. <http://www.epa.gov/epaoswer/hazwaste/test/pdfs/3550b.pdf>. April 10, 2006.

## 9. REFERENCES

- \*EPA. 1997. Special report on environmental endocrine disruption: An effects assessment and analysis. Washington, DC: U.S. Environmental Protection Agency, Risk Assessment Forum. EPA630R96012.
- \*EPA. 1998a. Method 3545A: Pressurized fluid extraction (PFE). In: Draft update IVA of SW-846 on-line. U.S. Environmental Protection Agency. Office of Solid Waste. <http://www.epa.gov/epaoswer/hazwaste/test/pdfs/3545a.pdf>. April 10, 2006.
- \*EPA. 1998b. Method 8270D: Semivolatile organic compounds by gas chromatography/mass spectrometry (GC/MS). In: Draft update IVA of SW-846 on-line. U.S. Environmental Protection Agency. Office of Solid Waste. <http://www.epa.gov/epaoswer/hazwaste/test/pdfs/8270d.pdf>. April 10, 2006.
- \*EPA. 1999a. Environmental fate and effects risk assessment. Azinphos-methyl. Washington, DC: U.S. Environmental Protection Agency. [www.epa.gov/oppsrrd1/op/azm.htm](http://www.epa.gov/oppsrrd1/op/azm.htm). April 10, 2006.
- \*EPA. 1999b. Human health risk assessment. Azinphos-methyl. U.S. Environmental Protection Agency. Office of Pesticide Programs.
- \*EPA. 2000a. Method 3546: Microwave extraction. In: Draft update IVB of SW-846 on-line. U.S. Environmental Protection Agency. Office of Solid Waste. <http://www.epa.gov/epaoswer/hazwaste/test/pdfs/3546.pdf>. April 10, 2006.
- \*EPA. 2000b. Method 8141B: Organophosphorus compounds by gas chromatography. In: Draft update IVB of SW-846 on-line. U.S. Environmental Protection Agency. Office of Solid Waste. [http://www.epa.gov/epaoswer/hazwaste/test/pdfs/8141b\\_ivb.pdf](http://www.epa.gov/epaoswer/hazwaste/test/pdfs/8141b_ivb.pdf). April 10, 2006.
- EPA. 2001a. Consolidated list of chemicals subject to the Emergency Planning and Community Right-to-Know Act (EPCRA) and Section 112(r) of the Clean Air Act. U.S. Environmental Protection Agency, Office of Solid Waste and Emergency Response. EPA550B01003.
- \*EPA. 2001b. Interim reregistration eligibility decision for azinphos-methyl. Case no. 0235. Washington, DC: U.S. Environmental Protection Agency. [http://www.epa.gov/oppsrrd1/REDS/azinphosmethyl\\_ired.pdf](http://www.epa.gov/oppsrrd1/REDS/azinphosmethyl_ired.pdf). April 07, 2006.
- \*EPA. 2002. Organophosphate pesticides: Revised cumulative risk assessment. U.S. Environmental Protection Agency. <http://www.epa.gov/pesticides/cumulative/rra-op/>. March 10, 2006.
- \*EPA. 2003. National primary drinking water regulations. Washington, DC: U.S. Environmental Protection Agency, Office of Ground Water and Drinking Water. EPA816F03016. <http://www.epa.gov/safewater/mcl.html>. March 07, 2006.
- \*EPA. 2004a. Drinking water standards and health advisories. Washington, DC: U.S. Environmental Protection Agency, Office of Water. EPA822R04005. <http://epa.gov/waterscience/criteria/drinking/>. March 07, 2006.
- \*EPA. 2004b. Guthion. Order denying objections to issuance of tolerance. U.S. Environmental Protection Agency. Fed Regist 69:30042. <http://www.gpoaccess.gov/fr/index.html>. March 08, 2006.

## 9. REFERENCES

- \*EPA. 2005. Toxic chemical release inventory reporting forms and instructions: Revised 2004 version. Section 313 of the Emergency Planning and Community Right-to-Know Act (Title III of the Superfund Amendments and Reauthorization Act of 1986). U.S. Environmental Protection Agency. Office of Environmental Information. EPA260B05001.
- \*EPA. 2006a. Acute Exposure Guideline Levels (AEGLs). Washington, DC: Office of Pollution Prevention and Toxics. U.S. Environmental Protection Agency. <http://www.epa.gov/oppt/aegl/chemlist.htm>. March 14, 2006.
- \*EPA. 2006b. Designated as hazardous substances in accordance with Section 311(b)(2)(A) of the Clean Water Act. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 116.4. <http://www.epa.gov/epacfr40/chapt-I.info/chi-toc.htm>. March 07, 2006.
- \*EPA. 2006c. Hazardous air pollutants. Clean Air Act. U.S. Environmental Protection Agency. United States Code. 42 USC 7412. <http://www.epa.gov/ttn/atw/orig189.html>. March 07, 2006.
- \*EPA. 2006d. National recommended water quality criteria. Washington, DC: U.S. Environmental Protection Agency, Office of Water, Office of Science and Technology. <http://www.epa.gov/waterscience/criteria/wqcriteria.html>. March 07, 2006.
- \*EPA. 2006e. Pesticides classified for restricted use. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 152.175. <http://www.epa.gov/epacfr40/chapt-I.info/chi-toc.htm>. March 07, 2006.
- \*EPA. 2006f. Reportable quantities of hazardous substances designated pursuant to Section 311 of the Clean Water Act. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 117.3. <http://www.epa.gov/epacfr40/chapt-I.info/chi-toc.htm>. March 08, 2006.
- \*EPA. 2006g. Superfund, emergency planning, and community right-to-know programs. Designation, reportable quantities, and notifications. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 302.4. <http://www.epa.gov/epacfr40/chapt-I.info/chi-toc.htm>. March 08, 2006.
- \*EPA. 2006h. Superfund, emergency planning, and community right-to-know programs. Extremely hazardous substances and their threshold planning quantities. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 355, Appendix A. <http://www.epa.gov/epacfr40/chapt-I.info/chi-toc.htm>. March 08, 2006.
- \*EPA. 2006i. Tolerances and exemptions from tolerances for pesticide chemicals in food. Guthion. U.S. Environmental Protection Agency. Code of Federal Regulations. 40 CFR 180.154. <http://www.epa.gov/epacfr40/chapt-I.info/chi-toc.htm>. March 08, 2006.
- \*EPA. 2006j. Azinphos-methyl; order to amend registrations to terminate certain uses. U.S. Environmental Protection Agency. Fed Regist 71(60):15731-15732.
- \*EPA. 2006k. Azinphosmethyl. Modernized STORET system: Regular results by geographic location (stormodb): Characteristic search by CAS number. U.S. Environmental Protection Agency. <http://www.epa.gov/storet/dbtop.html>. April 10, 2006.
- \*EPA. 2006l. Proposed phaseout of pesticide azinphos-methyl and longer restricted entry intervals for phosmet. Washington, DC: U.S. Environmental Protection Agency. [http://www.epa.gov/oppsrrd1/op/azm/phaseout\\_fs.htm](http://www.epa.gov/oppsrrd1/op/azm/phaseout_fs.htm). August 08, 2006.

## 9. REFERENCES

- \*Evans RT, Wroe JM. 1980. Plasma cholinesterase changes during pregnancy. *Anaesthesia* 35:651-654.
- \*Evans RT, O'Callaghan J, Norman A. 1988. A longitudinal study of cholinesterase changes in pregnancy. *Clin Chem* 34(11):2249-2252.
- \*Fakhr IM, Zayed SM, Hamdy NA. 1996. Fate and metabolism of radiolabeled insecticide azinphos-methyl in rat. *J Pestic Sci* 21(1):1-5.
- \*Fazekas GI. 1971. [Macroscopic and microscopic changes in Wofatox (methyl parathion) poisoning]. *Zeitschrift fur Rechtsmedizin* 68:189-194. (German)
- \*Fazekas GI, Rengei B. 1964. [Lethal "Wofatox" intoxication]. *Orvosi Hetilap* 105:2335-2335. (Hungarian)
- \*FDA. 2003. Food and Drug Administration total diet study. Summary of residues found ordered by pesticide market baskets 91-3-01-4. U.S. Food and Drug Administration. <http://www.cfsan.fda.gov/~acrobat/tds1byps.pdf>. March 23, 2006.
- \*FDA. 2005. Beverages. Bottled water. Food and Drug Administration. Code of Federal Regulations. 21 CFR 165.110. <http://www.accessdata.fda.gov/scripts/cdrh/cfdocs/cfcfr/CFRSearch.cfm>. March 08, 2006.
- \*FEDRIP. 2006. Guthion. Federal Research in Progress database. Springfield, VA: National Technical Information Service.
- \*Feldmann RJ, Maibach HJ. 1974. Percutaneous penetration of some pesticides and herbicides in man. *Toxicol Appl Pharmacol* 28:126-132.
- Fenske RA, Curl CL, Kissel JC. 2003. The effect of the 14-day agricultural restricted entry interval on azinphosmethyl exposures in a group of apple thinners in Washington state. *Regul Toxicol Pharmacol* 38(1):91-97.
- \*Fenske RA, Kissel JC, Lu C, et al. 2000a. Biologically based pesticide dose estimates for children in an agricultural community. *Environ Health Perspect* 108(6):515-520.
- Fenske RA, Lu C, Simcox NJ, et al. 2000b. Strategies of assessing children's organophosphorus pesticide exposures in agricultural communities. *J Expo Anal Environ Epidemiol* 10:662-671.
- \*Floesser-Mueller H, Schwack W. 2001. Photochemistry of organophosphorus insecticides. *Rev Environ Contam Toxicol* 172:129-228.
- \*Fomon 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.
- \*Fomon 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.
- \*Foreman WT, Majewski MS, Goolsby DA, et al. 2000. Pesticides in the atmosphere of the Mississippi River Valley, part II- air. *Sci Total Environ* 248:213-216.



## 9. REFERENCES

- \*Franklin CA, Fenske RA, Greenhalgh R, et al. 1981. Correlation of urinary pesticide metabolite excretion with estimated dermal contact in the course of occupational exposure to guthion. *J Toxicol Environ Health* 7(5):715-731.
- \*Franklin CA, Greenhalgh R, Mailbach HI. 1983. Pesticide chemistry, human welfare and the environment: Proceedings of the 5th International Congress of Pesticide Chemistry, Kyoto, Japan. New York, NY: Pergamon Press.
- \*Franklin CA, Muir NI, Moody RP. 1986. The use of biological monitoring in the estimation of exposure during the application of pesticides. *Toxicol Lett* 33:127-136.
- \*Gaines TB. 1960. The acute toxicity of pesticides to rats. *Toxicol Appl Pharmacol* 2:88-99.
- \*Gamon M, Saez E, Gil J, et al. 2003. Direct and indirect exogenous contamination by pesticides of rice-farming soils in a Mediterranean wetland. *Arch Environ Contam Toxicol* 44:141-151.
- \*García AM, Benavides FG, Fletcher T, et al. 1998. Paternal exposure to pesticides and congenital malformations. *Scand J Work Environ Health* 24(6):473-480.
- \*Garcia-Lopez JA, Monteoliva M. 1988. Physiological changes in human erythrocyte cholinesterase as measured with the "pH stat". *Clin Chem* 34(10):2133-2135.
- \*Gawlik BM, Feicht EA, Karcher W, et al. 1998. Application of the European reference soil set (EUROSOILS) to a HPLC-screening method for the estimation of soil adsorption coefficients of organic compounds. *Chemosphere* 36(14):2903-2919.
- \*Giwercman 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.
- \*Goldfrank LR, Flomenbaum NE, Lewin NA, et al., eds. 1998. Guthion. In: Goldfrank's toxicologic emergencies. 6th ed. Stamford, CT: Appleton and Lange, 836-843.
- \*Granovsky AV, Ricaud LR, Bengston RL. 1996. Water quality. Fate of azinphosmethyl in a sugarcane field: Distribution in canopy, soil, and runoff. *J Environ Qual* 25:1210-1216.
- \*Gruber SJ, Munn MD. 1998. Organophosphate and carbamate insecticides in agricultural waters and cholinesterase (ChE) inhibition in common carp (*Cyprinus carpio*). *Arch Environ Contam Toxicol* 35:391-396.
- \*Gunderson EL. 1988. FDA total diet study, April 1982-April 1984, dietary intakes of pesticides, selected elements, and other chemicals. *J Assoc Off Anal Chem* 71(6):1200-1208.
- \*Gunderson EL. 1995. FDA total diet study, July 1986-April 1991, dietary intakes of pesticides, selected elements, and other chemicals. *J AOAC Int* 78(6):1353-1363.
- \*Guzelian PS, Henry CJ, Olin SS, eds. 1992. Similarities and differences between children and adults: Implications for risk assessment. Washington, DC: International Life Sciences Institute Press.
- \*Hansch C, Leo A, Hoekman D, eds. 1995. Exploring QSAR: Hydrophobic, electronic, and steric constants. Washington, DC: American Chemical Society, 72.

## 9. REFERENCES

- \*HazDat. 2006. Guthion. HazDat database: ATSDR's hazardous substance release and health effects Database. Atlanta, GA: Agency for Toxic Substances and Disease Registry. <http://www.atsdr.cdc.gov/hazdat.html>. July 5, 2006.
- \*Hitchcock M, Murphy SD. 1971. Activation of parathion and guthion by mammalian, avian, and piscine liver homogenates and cell fractions. *Toxicol Appl Pharmacol* 19(1):37-45.
- \*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.
- \*Hoffman RS, Capel PD, Larson SJ. 2000. Comparison of pesticides in eight U.S. urban streams. *Environ Toxicol Chem* 19(9):2249-2258.
- \*Holzum B. 1990. Investigation of inhibition of cholinesterase activity in plasma, erythrocytes and brain in a 1-generation study. Mobay Corporation. Submitted to the U.S. Environmental Protection Agency. MRID41916801.
- \*Howard JK, East NJ, Chaney JL. 1978. Plasma cholinesterase activity in early pregnancy. *Arch Environ Health* 33(5):277-278.
- \*Hrelia P, Morotti M, Scotti M, et al. 1990. Genotoxic risk associates with pesticides: Evidences on short-term tests. *Pharmacol Res* 22(Supplement 3):93-94.
- \*HSDB. 2006. Azinphos methyl. Hazardous Substances Data Bank. National Library of Medicine. <http://toxnet.nlm.nih.gov>. April 12, 2006.
- \*IARC. 2004. Overall evaluations of carcinogenicity to humans: As evaluated in IARC Monographs volumes 1-82 (at total of 900 agents, mixtures and exposures). Lyon, France: International Agency for Research on Cancer. <http://www.cie.iarc.fr/monoeval/crthall.html>. March 08, 2006.
- \*IARC 2006. Guthion. International agency for research on cancer. <http://www.iarc.fr/>. June 22, 2006.
- \*IRIS. 2006. Guthion. Washington, DC: Integrated Risk Information System. U.S. Environmental Protection Agency. <http://www.epa.gov/iris/subst/>. March 15, 2006.
- \*Jeang CL, Li GC. 1980. Screening of pesticides for mutagenicity in the microbial system. *K'o Hsueh Fa Chan Yueh K'an* 8(6):551-559.
- \*Johanson CE. 1980. Permeability and vascularity of the developing brain: Cerebellum vs cerebral cortex. *Brain Res* 190:3-16.
- \*Kalow W. 1956. Familial incidence of low pseudocholinesterase levels [Letter]. *Lancet* 2:576-577.
- \*Kavlock RJ, Chernoff N, Rogers EH. 1985. The effect of acute maternal toxicity on fetal development in the mouse. *Teratog Carcinog Mutagen* 5:3-13.
- \*Kimmerle G. 1976. Subchronic inhalation toxicity of azinphos-methyl in rats. *Arch Toxicol* 35(2):83-89.
- \*Knaack JB, Maddy KT, Jackson T, et al. 1978. Cholinesterase activity in blood samples collected from field workers and non-field workers in California. *Toxicol Appl Pharmacol* 45:755-770.

## 9. REFERENCES

- \*Knuth ML, Heinis LJ, Anderson LE. 2000. Persistence and distribution of azinphos-methyl following application to littoral enclosure mesocosms. *Ecotoxicol Environ Saf* 47(2):167-177.
- \*Koch D, Lu C, Fisker-Andersen J, et al. 2002. Temporal association of children's pesticide exposure and agricultural spraying: Report of a longitudinal biological monitoring study. *Environ Health Perspect* 110(8):1-7.
- \*Kolpin DW, Barbash JE, Gilliom RJ. 2000. Pesticides in ground water of the United States, 1992-1996. *Ground Water* 38(6):858-863.
- \*Kolpin DW, Goolsby DA, Thurman EM. 1995. Pesticides in near-surface aquifers: An assessment using highly sensitive analytical methods and tritium. *J Environ Qual* 24:1125-1132.
- \*Komori M, Nishio K, Kitada M, et al. 1990. Fetus-specific expression of a form of cytochrome P-450 in human livers. *Biochemistry* 29:4430-4433.
- \*Krapac G, Roy W, Smyth CA, et al. 1995. Occurrence and distribution of pesticides in soil at agricultural facilities in Illinois. *J Soil Contam* 4(3):209-226.
- \*Kraus JF, Richards DM, Borhani NO, et al. 1977. Physiological response to organophosphate residues in field workers. *Arch Environ Contam Toxicol* 5(4):471-485.
- \*Krishnan K, Andersen ME. 1994. Physiologically based pharmacokinetic modeling in toxicology. In: Hayes AW, ed. *Principles and methods of toxicology*. 3rd ed. New York, NY: Raven Press, Ltd., 149-188.
- \*Krishnan K, Andersen ME, Clewell HJ III, et al. 1994. Physiologically based pharmacokinetic modeling of chemical mixtures. In: Yang RSH, ed. *Toxicology of chemical mixtures: Case studies, mechanisms, and novel approaches*. San Diego, CA: Academic Press, 399-437.
- \*Kyriakidis NB, Athanasopoulos PE, Karamanolis T. 2001. Degradation of the insecticide azinphos methyl in orange and peach juices during storage at different temperatures. *Food Addit Contam* 18(4):309-13.
- \*Lartiges SB, Garrigues PP. 1995. Degradation kinetics of organophosphorus and organonitrogen pesticides in different waters under various environmental conditions. *Environ Sci Technol* 29:1246-1254.
- \*Layer PG. 1990. Cholinesterase preceding major tracts in vertebrate neurogenesis. *Bioessays* 12:415-420.
- \*Layer PG, Willbold E. 1994. Cholinesterase in avian neurogenesis. *Int Rev Cytol* 151:139-181.
- \*Leeder JS, Kearns GL. 1997. Pharmacogenetics in pediatrics: Implications for practice. *Pediatr Clin North Am* 44(1):55-77.
- \*Lehmann H, Ryan E. 1956. The familial incidence of low pseudocholinesterase level [Letter]. *Lancet* 2:124.

## 9. REFERENCES

- \*Leung H-W. 1993. Physiologically-based pharmacokinetic modelling. In: Ballentyne B, Marrs T, Turner P, eds. General and applied toxicology. Vol. 1. New York, NY: Stockton Press, 153-164.
- \*Levine BS, Murphy SD. 1977. Effect of piperonyl butoxide on the metabolism of dimethyl and diethyl phosphorothionate insecticides. *Toxicol Appl Pharmacol* 40:393-406.
- \*Lisi P, Caraffini S, Assalve D. 1987. Irritation and sensitization potential of pesticides. *Contact Dermatitis* 17:212-218.
- \*Livingston, AL. 1978. Forage plant estrogens. *J Toxicol Environ Health* 4:301-324.
- \*Loewenherz C, Fenske RA, Simcox NJ, et al. 1997. Biological monitoring of organophosphorus pesticide exposure among children of agricultural workers in Central Washington State. *Environ Health Perspect* 105(12):1-13.
- \*Lu C, Fenske RA, Simcox NJ, et al. 2000. Pesticide exposure of children in an agricultural community: Evidence of household proximity to farmland and take home exposure pathways. *Environ Res* 84:290-302.
- \*Majewski MS, Foreman WT, Goolsby DA. 2000. Pesticides in the atmosphere of the Mississippi River Valley, part I-rain. *Sci Total Environ* 248:201-212.
- \*Maroni M, Colosio C, Ferioli A, et al. 2000. Organophosphorous pesticides. *Toxicology* 143:9-37.
- \*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.
- \*McCauley LA, Lasarev MR, Higgins G, et al. 2001. Work characteristics and pesticide exposures among migrant agricultural families: A community-based research approach. *Environ Health Perspect* 109(5):533-538.
- \*McCurdy SA, Hansen ME, Weisskopf CP, et al. 1994. Assessment of azinphosmethyl exposure in California peach harvest workers. *Arch Environ Health* 49(4):289-296.
- \*Medina D, Prieto A, Ettiene G, et al. 1999. Persistence of organophosphorus pesticide residues in Limon River waters. *Bull Environ Contam Toxicol* 63:39-44.
- \*Meylan WM, Howard PH. 1993. Computer estimation of the atmospheric gas-phase reaction rate of organic compounds with hydroxyl radicals and ozone. *Chemosphere* 26(12):2293-2299.
- \*Meylan WM, Howard PH, Boethling RS, et al. 1999. Improved method for estimating bioconcentration/bioaccumulation factor from octanol/water partition coefficient. *Environ Toxicol Chem* 18(4):664-672.
- \*Midtling JE, Barnett PG, Coye MJ, et al. 1985. Clinical management of field worker organophosphate poisoning. *West J Med* 142(4):514-518.
- \*Moate TF, Furia M, Curl C, et al. 2002. Size exclusion chromatographic cleanup for GC/MS determination of organophosphorus pesticide residues in household and vehicle dust. *J AOAC Int* 85(1):36-43.

## 9. REFERENCES

- \*Morselli PL, Franco-Morselli R, Bossi L. 1980. Clinical pharmacokinetics in newborns and infants: Age-related differences and therapeutic implications. *Clin Pharmacokin* 5:485-527.
- \*Motoyama N, Dauterman WC. 1972. The *in vitro* metabolism of azinphosmethyl by mouse liver. *Pestic Biochem Physiol* 2(2):170-177.
- \*Murphy SD, DuBois KP. 1957. Enzymatic conversion of the dimethoxy ester of benzotriazine dithiophosphoric acid to an anticholinesterase agent. *J Pharmacol Exp Ther* 119(4):572-583.
- \*NAS/NRC. 1989. Report of the oversight committee. In: *Biologic markers in reproductive toxicology*. Washington, DC: National Academy of Sciences, National Research Council, National Academy Press, 15-35.
- \*NCI. 1978. Bioassay of azinphosmethyl for possible carcinogenicity. Bethesda, MD: National Cancer Institute. NCI-CG-TR-69.
- \*NIOSH. 1981. Occupational health guidelines for azinphos-methyl. National Institute for Occupational Safety and Health. <http://www.cdc.gov/niosh/pdfs/0044.pdf>. April 10, 2006.
- \*NIOSH. 1994. Method 5600. Issue 1. Organophosphorus pesticides. NIOSH manual of analytical methods. 4th ed. National Institute for Occupational Safety and Health. <http://www.cdc.gov/niosh/nmam/pdfs/5600.pdf>. April 03, 2006.
- \*NIOSH. 2005. Guthion. NIOSH pocket guide to chemical hazards. Atlanta, GA: National Institute for Occupational Safety and Health, Centers for Disease Control and Prevention. <http://www.cdc.gov/niosh/npg/>. March 08, 2006.
- \*NPIRS. 2006. National Pesticide Information Retrieval System. <http://ppis.ceris.purdue.edu/#>. April 11, 2006.
- \*NRC. 1977. Azinphosmethyl. Drinking water and health. Washington, DC: National Academy Press, 604-608.
- \*NRC. 1993. Pesticides in the diets of infants and children. Washington, DC: National Academy Press, National Research Council.
- \*NTP. 1978. Bioassay of azinphosmethyl for possible carcinogenicity. Bethesda, MD: National Cancer Institute. National Toxicology Program. NCI-CG-TR-69. [http://ntp.niehs.nih.gov/ntp/htdocs/LT\\_rpts/tr069.pdf](http://ntp.niehs.nih.gov/ntp/htdocs/LT_rpts/tr069.pdf). April 10, 2006.
- \*NTP. 2005. Report on carcinogens. 11th ed. Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program. <http://ntp-server.niehs.nih.gov/ntp/roc/toc11.html>. March 08, 2006.
- \*OSHA. 2005a. Air contaminants. Occupational safety and health standards for shipyard employment. Occupational Safety and Health Administration. Code of Federal Regulations. 29 CFR 1915.1000. <http://www.osha.gov/comp-links.html>. March 08, 2006.
- \*OSHA. 2005b. Gases, vapors, fumes, dusts, and mists. Safety and health regulations for construction. Occupational Safety and Health Administration. Code of Federal Regulations. 29 CFR 1926.55, Appendix A. <http://www.osha.gov/comp-links.html>. March 08, 2006.

## 9. REFERENCES

- \*OSHA. 2005c. Limits for air contaminants. Occupational safety and health standards. Occupational Safety and Health Administration. Code of Federal Regulations. 29 CFR 1910.1000. <http://www.osha.gov/comp-links.html>. March 08, 2006.
- \*Osmundson M. 1998. Insecticides and pesticides. In: Viccellio P, ed. Emergency toxicology. 2nd ed. Philadelphia, PA: Lippincott-Raven Publishers, 401-413.
- \*OTA. 1990. Neurotoxicity: Identifying and controlling poisons of the nervous system. Washington, DC: Office of Technology Assessment. OTABA438.
- \*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: WB Saunders, 222-238.
- \*Pasquet J, Mazuret A, Fournel J, et al. 1976. Acute oral and percutaneous toxicity of phosalane in the rat, in comparison with azinphosmethyl and parathion. *Toxicol Appl Pharmacol* 37(1):85-92.
- \*Pitarch E, Lopez FJ, Serrano R, et al. 2001. Multiresidue determination of organophosphorus and organochlorine pesticides in human biological fluids by capillary gas chromatography. *Fresenius J Anal Chem* 369:502-509.
- \*Richardson JR, Chambers HW, Chambers JE. 2001. Analysis of the additivity of *in vitro* inhibition of cholinesterase by mixtures of chlorpyrifos-oxon and azinphos-methyl-oxon. *Toxicol Appl Pharmacol* 172(2):128-139.
- \*Rider JA, Puletti EJ. 1969. Studies on the anticholinesterase effects of gardona, methyl parathion, and guthion in human subjects [Abstract]. *Fed Proc* 28(2):479.
- \*Rider JA, Swader JI, Puletti EJ. 1970. Methyl parathion and guthion anticholinesterase effects in human subjects [Abstract]. *Fed Proc* 29(2):349.
- \*Rider JA, Swader J, Puletti EJ. 1971. Anticholinesterase toxicity studies with methyl parathion, guthion and phosdrin in human subjects [Abstract]. *Fed Proc* 30(2):443.
- \*Rider JA, Swader JI, Puletti EJ. 1972. Anticholinesterase toxicity studies with guthion, phosdrin, di-syston, and trithion in human subjects [Abstract]. *FASEB Monogr* 31:520.
- \*Ripley BD, Lissemore LI, Leishman PD, et al. 2000. Pesticide residues on fruits and vegetables from Ontario, Canada, 1991-1995. *J AOAC Int* 83:196-213.
- \*Sanz P, Rodriguez-Vincente MC, Diaz D, et al. 1991. Red blood cell and total blood acetylcholinesterase and plasma pseudocholinesterase in humans: Observed variances. *Clin Toxicol* 29(1):81-90.
- \*Sartorelli P, Carboncini F, Murdaca F, et al. 1999. Contact sensitization in fruit farmers. *J Environ Med* 1:51-53.
- \*Schmidt WM, Chevalier. 1984. R 1582. (Common name: Azinphos-methyl). Study of chronic toxicity and carcinogenicity to Wistar rats. Mobay Corporation. Submitted to the U.S. Environmental Protection Agency. MRID41119901.

## 9. REFERENCES

- \*Schneider F, Steenland K, Hernandez B, et al. 1994. Monitoring peach harvest workers exposed to azinphosmethyl residues in Sutter County, California, 1991. *Environ Health Perspect* 102(6-7):207-215.
- \*Setchell BP, Waites GMH. 1975. The blood-testis barrier. In: Creep RO, Astwood EB, Geiger SR, eds. *Handbook of physiology: Endocrinology V*. Washington, DC: American Physiological Society, 143-172.
- \*Sheets LP, Hamilton BF, Sangha GK, et al. 1997. Subchronic neurotoxicity screening studies with six organophosphate insecticides: An assessment of behavior and morphology relative to cholinesterase inhibition. *Fundam Appl Toxicol* 35:101-119.
- \*Sheridan RS, Meola JR. 1999. Analysis of pesticide residues in fruits, vegetables, and milk by gas chromatography/tandem mass spectrometry. *J AOAC Int* 82(4):982-990.
- \*Short RD, Minor JL, Lee CC, et al. 1980. Development toxicity of guthion in rats and mice. *Arch Toxicol* 43(3):177-186.
- \*Simcox NJ, Fenske RA, Wolz SA, et al. 1995. Pesticides in household dust and soil: Exposure pathways for children of agricultural families. *Environ Health Perspect* 103:1126-1134.
- \*Skinner CS, Kilgore WW. 1982. Acute dermal toxicities of various organophosphate insecticides in mice. *J Toxicol Environ Health* 9:491-497.
- \*SRI. 2005. Pesticides: Azinphosmethyl. Directory of chemical producers. Menlo Park, CA: Access Intelligence, LLC, 774.
- \*Staiff DC, Comer SW, Armstrong JF, et al. 1975. Persistence of azinphosmethyl in soil. *Bull Environ Contam Toxicol* 13(3):362-368.
- \*Su MQ, Kinoshita FA, Frawley JP, et al. 1971. Comparative inhibition of aliesterases and cholinesterase in rats fed eighteen organophosphorus insecticides. *Toxicol Appl Pharmacol* 20:241-249.
- \*Sultatos LG. 1994. Mammalian toxicology of organophosphorus pesticides. *J Toxicol Environ Health* 43:271-289.
- \*Sultatos LG, Woods L. 1988. The role of glutathione in the detoxification of the insecticides methyl parathion and azinphosmethyl in the mouse. *Toxicol Appl Pharmacol* 96(1):168-174.
- \*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.
- \*Tafari J, Roberts J. 1987. Organophosphate poisoning. *Ann Emerg Med* 16(2):93-102.
- \*Taylor P. 2001. Anticholinesterase agents. In: Hardman JG, Limbird LE, Gilman AG, eds. *The pharmacological basis of therapeutics*. 10th ed. New York, NY: McGraw-Hill, 175-191.
- \*Thomas K, Colborn T. 1992. Organochlorine endocrine disruptors in human tissue. In: Colborn T, Clement C, eds. *Chemically induced alterations in sexual and functional development: The wildlife/human connection*. Princeton, NJ: Princeton Scientific Publishing, 365-394.

## 9. REFERENCES

- \*Tomlin CDS, ed. 2003. Azinphos-methyl (45). In: e-Pesticide manual. 13th ed. United Kingdom: British Crop Protection Council.
- \*USDA. 2000. Trends in crop pesticide use: Comparing 1992 and 1997. U.S. Department of Agriculture. <http://www.ncfap.org/ncfap/trendsreport.pdf>. April 11, 2006.
- \*USGS. 1999. Pesticides in streams of the United States. Initial results from the National water-quality assessment program. Sacramento, CA: U.S. Geological Survey. <http://ca.water.usgs.gov/pnsp/rep/wrir984222/front.book.pdf>. April 11, 2006.
- \*USGS. 2001. Pesticides in surface water of the Yakima River Basin, Washington, 1999-2000. Their occurrence and an assessment of factors affecting concentrations and loads. U.S. Geological Survey. Portland, OR: Water-Resources Investigations Report 01-4211. [http://or.water.usgs.gov/pubs\\_dir/WRIR01-4211/](http://or.water.usgs.gov/pubs_dir/WRIR01-4211/). April 11, 2006.
- \*USGS. 2003. Pesticides in surface water of the United States: Table 1. Pesticides in streams at agricultural sites, 1991-2001. Washington, DC: U.S. Geological Survey. [http://ca.water.usgs.gov/pnsp/pestsw/Pest-SW\\_2001\\_table1\\_ag.html](http://ca.water.usgs.gov/pnsp/pestsw/Pest-SW_2001_table1_ag.html). March 18, 2006.
- \*USGS. 2006. The quality of our nation's waters: Pesticides in the nation's streams and ground water, 1992-2001. Reston, VA: U.S. Geological Survey. <http://ca.water.usgs.gov/pnsp/pubs/circ1291/>. April 11, 2006.
- \*Vasilic Z, Drevenkar V, Frobe Z, et al. 1987. The metabolites of organophosphorus pesticides in urine as an indicator of occupational exposure. *Toxicol Environ Chem* 14:111-127.
- \*Venkataraman BV, Niyer GY, Narayanan R, et al. 1990. Erythrocyte and plasma cholinesterase activity in normal pregnancy. *Indian J Physiol Pharmacol* 34:26-28.
- \*Verschueren K, ed. 2001. Azinphosmethyl. Handbook of environmental data on organic chemicals. 4th ed. New York, NY: John Wiley & Sons, Inc., 238-240.
- \*Vieira I, Sonnier M, Cresteil T. 1996. Developmental expression of CYP2E1 in the human liver: Hypermethylation control of gene expression during the neonatal period. *Eur J Biochem* 238:476-483.
- \*Villa S, Finizio A, Vighi M. 2003. Pesticide risk assessment in a lagoon ecosystem. Part I. Exposure assessment. *Environ Toxicol Chem* 22(4):928-935.
- \*Vos JG, Krajnc EI, Beekhof PK, et al. 1983. 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, UK: Pergamon Press, 497-504.
- \*Waters MD, Snadhu SS, Simmon VF, et al. 1982. Study of pesticide genotoxicity. *Basic Life Sci* 21:275-326.
- \*Weinbaum Z, Schenker MB, Gold EB, et al. 1997. Risk factors for systemic illnesses following agricultural exposures to restricted organophosphates in California, 1984-1988. *Am J Ind Med* 31(5):572-579.
- \*West JR, Smith HW, Chasis H. 1948. Glomerular filtration rate, effective renal blood flow, and maximal tubular excretory capacity in infancy. *J Pediatr* 32:10-18.



## 9. REFERENCES

- \*WHO. 2000. Air quality guidelines. 2nd ed. Geneva, Switzerland: World Health Organization. <http://www.euro.who.int/Document/AIQ/AirQualRepMtg.pdf>. March 08, 2006.
- \*WHO. 2004. Guidelines for drinking-water quality. 3rd ed. Geneva, Switzerland: World Health Organization. [http://www.who.int/water\\_sanitation\\_health/dwq/gdwq3/en/](http://www.who.int/water_sanitation_health/dwq/gdwq3/en/). March 08, 2006.
- \*Whyatt RM, Barr DB. 2001. Measurement of organophosphate metabolites in postpartum meconium as a potential biomarker of prenatal exposure: A validation study. *Environ Health Perspect* 109:417-420.
- \*Widdowson EM, Dickerson JWT. 1964. Chemical composition of the body. In: Comar CL, Bronner F, eds. *Mineral metabolism: An advanced treatise. Volume II: The elements Part A.* New York: Academic Press, 1-247.
- Wolfe HR, Staiff DC, Armstrong JF, et al. 1973. Persistence of parathion in soil. *Bull Environ Contam Toxicol* 10(1):1-9.
- \*Woodrow JE, Seiber JN, Baker LW. 1997. Correlation techniques for estimating pesticide volatilization flux and downwind concentrations. *Environ Sci Technol* 31:523-529.
- Worden AN, Wheldon GH, Noel PR, et al. 1973. Toxicity of gusathion for the rat and dog. *Toxicol Appl Pharmacol* 24(3):405-412.
- \*Yaron B, Bielorai H, Kliger L. 1974. Fate of insecticides in an irrigated field: Azinphosmethyl and tetradifon cases. *J Environ Qual* 3(4):413-417.
- \*Zeiger E, Anderson B, Haworth S, et al. 1987. *Salmonella* mutagenicity tests: III. Results from the testing of 255 chemicals. *Environ Mutagen* 9:1-110.
- \*Zendzian RP. 2003. Pesticide residue on/in the washed skin and its potential contribution to dermal toxicity. *J Appl Toxicol* 23:121-136.
- \*Ziegler EE, Edwards BB, Jensen RL, et al. 1978. Absorption and retention of lead by infants. *Pediatr Res* 12:29-34.