

## 9. REFERENCES

- \*Aaron CK. 2007. Organophosphates and carbamates. In: Shannon MW, Borron SW, Burns MJ, et al., eds. Haddad and Winchester's clinical management of poisoning and drug overdose. Philadelphia, PA: WB Saunders Company, 1171-1184.
- \*Abou-Donia MB. 1979. Late acute effect of S,S,S-tributyl phosphorotrithioate in hens. *Toxicol Lett* 4(4):231-236.
- \*Abou-Donia MB, Graham DG, Abdo KM, et al. 1979. Delayed neurotoxic, late acute and cholinergic effects of S,S,S-tributyl phosphorotrithioate (DEF): Subchronic (90 days) administration in hens. *Toxicology* 14(3):229-243.
- \*ACGIH. 2015. TLVs and BEIs based on the documentation of the threshold limit values for chemical substances and physical agents and biological exposure indices. Cincinnati, OH: American Conference of Governmental Industrial Hygienists.
- \*Adlercreutz H. 1995. Phytoestrogens: Epidemiology and a possible role in cancer protection. *Environ Health Perspect* 103(Suppl 7):103-112.
- \*AEGLs. 2016. Acute Exposure Guideline Levels (AEGLs) values. U.S. Environmental Protection Agency. <https://www.epa.gov/aegl/access-acute-exposure-guideline-levels-aegls-values#chemicals>. March 22, 2016.
- \*AIHA. 2015. Current ERPG values (2015). Fairfax, VA: American Industrial Hygiene Association. <https://www.aiha.org/get-involved/AIHAGuidelineFoundation/EmergencyResponsePlanningGuidelines/Documents/2015%20ERPG%20Levels.pdf>. March 22, 2016.
- \*Albuquerque E, Deshpande S, Kawabuchi M, et al. 1985. Multiple actions of anticholinesterase agents on chemo-sensitive synapses: Molecular basis for prophylaxis and treatment of organophosphate poisoning. *Toxicol Sci* 5(6 part 2):182-203.
- \*Aldridge JE, Levin ED, Seidler FJ, et al. 2005. Developmental exposure of rats to chlorpyrifos leads to behavioral alterations in adulthood, involving serotonergic mechanisms and resembling animal models of depression. *Environ Health Perspect* 113(5):527-531.
- \*Alexander M. 1995. How toxic are toxic chemicals in soil? *Environ Sci Technol* 29(11):2713-2717.
- \*Altman PL, Dittmer DS. 1974. *Biological handbooks: Biology data book*. Vol. III. 2nd ed. Bethesda, MD: Federation of American Societies of Experimental Biology.
- \*Ames RG, Gregson J. 1995. Mortality following cotton defoliation: San Joaquin Valley, California, 1970-1990. *J Occup Environ Med* 37(7):812-819.

---

\* Cited in text

+ Cited in supplemental document

## 9. REFERENCES

- \*Ames RG, Brown SK, Mengle DC, et al. 1989. Cholinesterase activity depression among California agricultural pesticide applicators. *Am J Ind Med* 15(2):143-150.
- \*Andersen ME, Clewell HJ, Gargas ML, et al. 1987. Physiologically based pharmacokinetics and the risk assessment process for methylene chloride. *Toxicol Appl Pharmacol* 87(2):185-205.
- \*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, and replacement*. New York, NY: Marcel Dekker, Inc., 9-25.
- \*Androutsopoulos VP, Hernandez AF, Liesivuori J, et al. 2013. A mechanistic overview of health associated effects of low levels of organochlorine and organophosphorous pesticides. *Toxicology* 307:89-94. 10.1016/j.tox.2012.09.011.
- +\*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.
- +\*Astroff AB, Freshwater KJ, Eigenberg DA. 1998. Comparative organophosphate-induced effects observed in adult and neonatal Sprague-Dawley rats during the conduct of multigeneration toxicity studies. *Reprod Toxicol* 12(6):619-645.
- \*ATSDR. 1989. Decision guide for identifying substance-specific data needs related to toxicological profiles; Notice. Agency for Toxic Substances and Disease Registry. *Fed Regist* 54(174):37618-37634.
- \*ATSDR. 2002. Toxicological profile for DDT, DDE, and DDD. Agency for Toxic Substances and Disease Registry, U.S. Department of Health and Human Services. <http://www.atsdr.cdc.gov/toxprofiles/tp35.pdf>. June 10, 2016.
- \*ATSDR. 2015. Tribufos. Full SPL data. Substance priority list (SPL) resource page. Agency for Toxic Substances and Disease Registry, Centers for Disease Control and Prevention. <http://www.atsdr.cdc.gov/SPL/resources/index.html>. July 6, 2016.
- \*Baker LW, Fitzell DL, Seiber JN, et al. 1996. Ambient air concentrations of pesticides in California. *Environ Sci Technol* 30(4):1365-1368.
- \*Banks CN, Lein PJ. 2012. A review of experimental evidence linking neurotoxic organophosphorus compounds and inflammation. *Neurotoxicology* 33(3):575-584. 10.1016/j.neuro.2012.02.002.
- \*Barbash J, Resek EA. 1996. Pesticides in ground water: Distribution, trends, and governing factors. Chelsea, MI: Ann Arbor Press, Inc.; CRC Press, 69. <http://pubs.er.usgs.gov/publication/70038381>.
- \*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(4):471-486.
- \*Barr DB, Barr JR, Maggio VL, et al. 2002. A multi-analyte method for the quantification of contemporary pesticides in human serum and plasma using high-resolution mass spectrometry. *J Chromatogr B* 778:99-111.

## 9. REFERENCES

- \*Bayer Crop Science. 2008. U.S. Environmental Protection Agency HPV Challenge Program test plan submission. S,S',S'-tributyl phosphorotrithioite. CAS No. 150-50-5. 201-16778A. Submitted to the U.S. Environmental Protection Agency.
- \*Berger GS, ed. 1994. Epidemiology of endometriosis. In: Endometriosis: Modern surgical management of endometriosis. New York, NY: Springer-Verlag, 3-7.
- \*Bigbee JW, Sharma KV. 2004. The adhesive role of acetylcholinesterase (AChE): Detection of AChE binding proteins in developing rat spinal cord. *Neurochem Res* 29(11):2043-2050.
- \*Bigbee JW, Sharma KV, Chan EL, et al. 2000. Evidence for the direct role of acetylcholinesterase in neurite outgrowth in primary dorsal root ganglion neurons. *Brain Res* 861(2):354-362.
- \*Bomser JA, Casida JE. 2001. Diethylphosphorylation of rat cardiac M2 muscarinic receptor by chlorpyrifos oxon in vitro. *Toxicol Lett* 119(1):21-26.
- \*Bouchard MF, Chevrier J, Harley KG, et al. 2011. Prenatal exposure to organophosphate pesticides and IQ in 7-year-old children. *Environ Health Perspect* 119(8):1189-1195. 10.1289/ehp.1003185.
- \*Boyd EM, Carsky E. 1969. Kwashiorkorigenic diet and diazinon toxicity. *Acta Pharmacol Toxicol* 27(4):284-294.
- \*CalEPA. 2000. Estimation of exposure of persons in California to pesticide products that contain tribufos. Sacramento, CA: California Environmental Protection Agency. [www.cdpr.ca.gov/docs/whs/pdf/hs1552.pdf](http://www.cdpr.ca.gov/docs/whs/pdf/hs1552.pdf). April 26, 2016.
- +\*CalEPA. 2004. S,S,S-Tributyl phosphorotrithioate (tribufos) risk characterization document (Revision No. 1). California Environmental Protection Agency, Department of Pesticide Regulation. [www.cdpr.ca.gov/docs/risk/rcd/def\\_r1.pdf](http://www.cdpr.ca.gov/docs/risk/rcd/def_r1.pdf). April 26, 2016.
- \*CalEPA. 2009. Pesticide air monitoring in Parlier, CA. Sacramento, CA: California Environmental Protection Agency, Department of Pesticide Regulation.
- \*CDC. 2015. Full SPL data. Substance priority list (SPL) resource page. Agency for Toxic Substances and Disease Registry, Centers for Disease Control and Prevention. <http://www.atsdr.cdc.gov/SPL/resources/index.html>. July 6, 2016.
- \*CDFA. 2013. Determination of organophosphate pesticides in surface water using gas chromatography with mass selective detection (MSD). Sacramento, CA: California Department of Food and Agriculture, Center for Analytical Chemistry. [http://www.cdpr.ca.gov/docs/emon/pubs/anl\\_methods/emon-sm-46-0-msd.pdf](http://www.cdpr.ca.gov/docs/emon/pubs/anl_methods/emon-sm-46-0-msd.pdf). June 17, 2016.
- \*Chen HH, Sirianni SR, Huang CC. 1982a. 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.
- \*Chen HH, Sirianni SR, Huang CC. 1982b. 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.

## 9. REFERENCES

- \*Chou CH, 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.
- \*Clewell HJ, Andersen ME. 1985. Risk assessment extrapolations and physiological modeling. *Toxicol Ind Health* 1(4):111-131.
- \*Cohen DB. 1986. Ground water contamination by toxic substances. A California assessment. ACS Symposium Series 29, American Chemical Society, 499-529.
- \*Costa LG, Aschner M, Vitalone A, et al. 2004. Developmental neuropathology of environmental agents. *Annu Rev Pharmacol Toxicol* 44:87-110. 10.1146/annurev.pharmtox.44.101802.121424.
- \*CPCR. 1992. DEF 6 emulsifiable defoliant. In: *Crop Protection Chemicals Reference*. New York, NY: John Wiley & Sons, Inc., 1158-1159.
- \*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.
- \*DOE. 2016. Table 3: Protective Action Criteria (PAC) Rev. 28A based on applicable 60-minute AEGLs, ERPGs, or TEELs. The chemicals are listed by CASRN. February 2016. Oak Ridge, TN: U.S. Department of Energy. [http://www.atlant.com/DOE/teels/teel/Revision\\_28A\\_Table3.pdf](http://www.atlant.com/DOE/teels/teel/Revision_28A_Table3.pdf). March 22, 2016.
- \*Dori A, Cohen J, Silverman WF, et al. 2005. Functional manipulations of acetylcholinesterase splice variants highlight alternative splicing contributions to murine neocortical development. *Cerebral Cortex* 15(4):419-430.
- \*Eddleston M. 2015. Insecticides: Organic phosphorus compounds and carbamates. In: Hoffman RS, Howland MA, Lewin NA, eds. *Goldfrank's toxicologic emergencies*. 10th ed. New York, NY: McGraw-Hill Education, 1409–1424.
- \*Eichelberger JW, Lichtenberg JJ. 1971. Persistence of pesticides in river water. *Environ Sci Technol* 5(6):541-544.
- \*Eisenreich SJ, Looney BB, Thornton JD. 1981. Airborne organic contaminants in the Great Lakes ecosystem. *Environ Sci Technol* 15(1):30-38.
- \*Ek CJ, Dziegielewska KM, Habgood MD, et al. 2012. Barriers in the developing brain and neurotoxicology. *Neurotoxicology* 33(3):586-604. 10.1016/j.neuro.2011.12.009.
- \*EPA. 1981. Acephate, aldicarb, carbophenothion, DEF, EPN, ethoprop, methyl parathion, and phorate: Their acute and chronic toxicity, bioconcentration potential, and persistence as related to marine environments. Gulf Breeze, FL: U.S. Environmental Protection Agency, Office of Research and Development, Environmental Research Laboratory. EPA600481041.
- \*EPA. 1987. Data evaluation record. Tribufos. Soil adsorption/desorption with 14C-DEF. Laboratory Project ID: ABC Final Report No. 36356. Mobay Report No. 95600. Unpublished study performed by Analytical Bio-Chemistry Laboratories, Inc., Columbia, MO, and submitted by Mobay Corporation, Stilwell, KS. U.S. Environmental Protection Agency. Study ID: 41618817.

## 9. REFERENCES

- \*EPA. 1988. Data Evaluation Record. S,S,S-Tributyl phosphorotrithioate. Soil surface photolysis of <sup>14</sup>C DEF in natural sunlight. Laboratory Project ID: Report No. 1153: Project No. 206. Mobay Report No. 95673. Unpublished study performed by Pharmacology and Toxicology Research Laboratory, Lexington, KY, and submitted by Mobay Corporation, Stilwell, KS. U.S. Environmental Protection Agency. Study ID: 41618816.
- +\*EPA. 1990a. Data evaluation report. Oncogenicity study of technical tribufos (DEF) with mice. R.H. Hayes, Mobay, Corp Toxicology Department. Study No. 86-271-01, Report no. 99175, Jun 29, 1989. MRID 411710-01. In: Memorandum. Tribufos (DEF) review of teratology studies in rat and rabbit and an oncogenicity study in mice. U.S. Environmental Protection Agency.
- +\*EPA. 1990b. Data evaluation report. A teratology study with DEF technical in the rat. R.L. Kowalski, Miles Laboratory Inc. Laboratory Report No. 87320, Aug 8, 1986, MRID 401906-01. In: Memorandum. Tribufos (DEF) review of teratology studies in rat and rabbit and an oncogenicity study in mice. U.S. Environmental Protection Agency.
- +\*EPA. 1990c. Data evaluation report. A teratology study with DEF technical in the rabbit. G.R. Clemens, J.J. Bare and R.E. Hartnagel Jr. Miles Laboratories Inc. Laboratory report no. MTD0003, #94468, Jan 22, 1987. MRID 401906-02. In: Memorandum. Tribufos (DEF) review of teratology studies in rat and rabbit and an oncogenicity study in mice. U.S. Environmental Protection Agency.
- EPA. 1990d. Memorandum: Peer review of tribufos. Oncogenicity (sic) study of technical tribufos (DEF) with mice. R. H. Hayes, Mobay Corp. Toxicology Department. Study #86-27101, report # 99175, June 1989. MRID 411710-01. U.S. Environmental Protection Agency.
- \*EPA. 1990e. Data evaluation record. Tribufos. The metabolism of tribufos in soil under anaerobic conditions. Mobay Report No. 100333. Unpublished study performed and submitted by Mobay Corporation, Stilwell, KS. U.S. Environmental Protection Agency. Study ID: 42007205.
- \*EPA. 1990f. 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. EPA600890066A. PB90238890.
- +\*EPA. 1991a. Data evaluation report. Acute four-hour inhalation toxicity study with technical grade DEF in rats, D.L. Warren, Mobay, Corporate Toxicology Department. Study No. 90-042-HQ, Report no. 100593, Dec 26, 1989. MRID 417823-01. U.S. Environmental Protection Agency.
- +\*EPA. 1991b. Chronic feeding toxicity study of technical grade tribufos (DEF) with dogs, W.R. Christenson, Mobay Corporate Toxicology department, Study number 88-274-AB, Feb 26, 1991, MRID 420072-03. In: Memorandum. Tribufos (DEF) chronic dog study and 90-day hen dermal neurotoxicity study. Tox Chem #864, registration # 074801, Registrant Mobay. MRID # 4420072-03 & 03, Tox Project #1-2582. U.S. Environmental Protection Agency.
- \*EPA. 1991c. Data Evaluation Record. Tribufos. The metabolism of tribufos in soil under aerobic conditions. Study No. DEO42101. Mobay Report No. 100338. Unpublished study performed and submitted by Mobay Corporation, Stilwell, KS. U.S. Environmental Protection Agency. Study ID: 42007204.
- +\*EPA. 1992a. Data review for acute inhalation toxicity testing (81-3). Project manager: 25. Reviewer: I. Blackwell. MRID No.: 417823-01. Report date: 12/26/90. Testing laboratory: Mobay Corporation, Corporate Toxicology Department. U.S. Environmental Protection Agency.

## 9. REFERENCES

- +\*EPA. 1992b. Data evaluation report. Study of the subchronic inhalation toxicity to rats in accordance with OECD guideline No. 413. Pauluhn J, Bayer AG, FRG; Report No: 102697; June 2, 1992. MRID 423998-01. U.S. Environmental Protection Agency.
- +\*EPA. 1992c. A two-generation dietary reproduction study in rats using tribufos (DEF). D.A. Eigenberg, Mobay, Corporate Toxicology Department, study number 88-971-AK; Sept 10, 1991. MRID 420401-01. Memorandum. Tribufos (DEF) reproduction studies. U.S. Environmental Protection Agency.
- +\*EPA. 1992d. Memorandum: Tribufos (DEF), rat combined chronic/oncogenicity study. Technical grade tribufos (DEF): A chronic feeding study in the Fischer 344 rat, W.R. Christenson, Miles Inc. Study No. 88-271-AA, Report # 102675, May 1, 1992. MRID 423351-01. U.S. Environmental Protection Agency.
- \*EPA. 1992e. Pesticides in ground water database. A compilation of monitoring studies: 1971-1991. National summary. U.S. Environmental Protection Agency, Prevention Pesticides and Toxic Substances. EPA7341292001.
- +\*EPA. 1993a. Data review for acute oral toxicity testing (81-1). Product manager: 25. Reviewer: M. Perry. MRID No.: 419549-03. Report Date: 5/20/91. Testing facility: Mobay. Report No.: 90-012-ES. Memorandum: EPA Reg. No.: 3125-96. U.S. Environmental Protection Agency.
- +\*EPA. 1993b. Data review for acute dermal toxicity testing (81-2). Product manager: 25. Reviewer: M. Perry. MRID No.: 419549-02. Report Date: 5/31/91. Testing facility: Mobay. Report No.: 90-025-FE. Memorandum: EPA Reg. No.: 3125-96. U.S. Environmental Protection Agency.
- \*EPA. 1993c. Data review for acute eye irritation testing (81-4). Product manager: 25. Reviewer: M. Perry. MRID No.: 419549-01. Report Date: 3/31/92. Testing facility: Mobay. Report No.: 91-335-MN. Memorandum: EPA Reg. No.: 3125-96. U.S. Environmental Protection Agency.
- +\*EPA. 1993d. 21-Day dermal toxicity study with technical grade tribufos (DEF) in rabbits, L.P. Sheets & S.D. Phillips, Mobay, Study number 90-125-FR, Report #101279, Aug 21, 1991. MRID 420072-01. Tribufos (DEF), 21-day dermal toxicity rabbit. U.S. Environmental Protection Agency.
- \*EPA. 1994. Methods for derivation of inhalation reference concentrations and application of inhalation dosimetry. Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development. EPA6008900066F.
- \*EPA. 1996. Proposed guidelines for carcinogen risk assessment. Washington, DC: U.S. Environmental Protection Agency, Office of Research and Development. EPA600P92003C.
- \*EPA. 1997a. Memorandum: Carcinogenicity peer review (2nd) of tribufos (DEF). U.S. Environmental Protection Agency.
- \*EPA. 1997b. Special report on environmental endocrine disruption: An effects assessment and analysis. Washington, DC: U.S. Environmental Protection Agency, Office of Pollution Prevention and Toxics. EPA630R96012.

## 9. REFERENCES

- \*EPA. 1998. Environmental chemistry method evaluation report. A gas chromatography method for the determination of residues of tribufos and dibutylsulfide in soil. Stennis Space Center, MS: U.S. Environmental Protection Agency, Office of Pesticide Programs, Environmental Chemistry Laboratory.
- \*EPA. 2000a. Human health risk assessment. Tribufos. U.S. Environmental Protection Agency, Office of Pesticide Programs, Health Effects Division. [https://www3.epa.gov/pesticides/chem\\_search/hhbp/R008352.pdf](https://www3.epa.gov/pesticides/chem_search/hhbp/R008352.pdf). April 26, 2016.
- \*EPA. 2000b. Method 8141B. Organophosphorus compounds by gas chromatography. U.S. Environmental Protection Agency. <https://www.epa.gov/sites/production/files/2015-12/documents/8141b.pdf>. April 26, 2016.
- \*EPA. 2000c. A dermal/intravenous crossover study to determine the dermal absorption of <sup>14</sup>C-DEF 6 (S,S,S-tributylphosphorothioate) in male Rhesus monkeys. M. Wills. Sierra Biomedical. Lab study no 0834-90. Bayer study no 99C-B29-FR. Jan 14, 2000. MRID 450199-01. Tribufos (DEF). Review of a dermal absorption study in the Rhesus monkey. U.S. Environmental Protection Agency.
- \*EPA. 2001. Preliminary cumulative risk assessment of the organophosphorus pesticides. Office of Pesticide Programs. U.S. Environmental Protection Agency. <http://www.epa.gov/opp00001/cumulative/rra-op/>. August 31, 2016.
- +\*EPA. 2005a. Data evaluation record. Tribufos. Study type: Developmental neurotoxicity study-rat; OPPTS 870.6300. MRID 45499501/0050231. U.S. Environmental Protection Agency.
- \*EPA. 2005b. 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. Organophosphorus cumulative risk assessment-2006. Update. U.S. Environmental Protection Agency. Office of Pesticide Programs. <http://www.epa.gov/oppsrd1/cumulative/2006-op/index.htm>. August 31, 2016.
- \*EPA. 2006b. Reregistration eligibility decision for tribufos. U.S. Environmental Protection Agency, Office of Pesticide Programs.
- \*EPA. 2008. Risks of tribufos use to federally threatened California red-legged frog (*Rana aurora draytonii*). Pesticide effects determination. Washington, DC: U.S. Environmental Protection Agency, Environmental Fate and Effects Division, Office of Pesticide Programs.
- \*EPA. 2009. National primary drinking water regulations. Washington, DC: U.S. Environmental Protection Agency, Office of Ground Water and Drinking Water. EPA816F090004. <http://water.epa.gov/drink/contaminants/upload/mcl-2.pdf>. March 4, 2015.
- +\*EPA. 2012a. Data evaluation record. Tribufos, PC Code: 074801. TXR#: 0056274. MRID: 48709901. Study type: Non-guideline acute and repeat dose-range finding studies in PND 11 rat pups. Memorandum: Tribufos: Review of the acute, repeat and gestational dosing comparative cholinesterase (CCA) studies. U.S. Environmental Protection Agency.

## 9. REFERENCES

- +\*EPA. 2012b. Data evaluation record. Tribufos, PC Code: 074801. TXR#: 0056274. MRID: 48709902. Study type: Acute oral dosing in neonatal rats-time to peak effect. Memorandum: Tribufos: Review of the acute, repeat and gestational dosing comparative cholinesterase (CCA) studies. U.S. Environmental Protection Agency.
- +\*EPA. 2012c. Data evaluation record. Tribufos. PC Code: 074801. TXR#: 0056274. MRID: 48709903. Study type: Acute oral dosing to young adult rats-time to peak effect non-guideline. Memorandum: Tribufos: Review of the acute, repeat and gestational dosing comparative cholinesterase (CCA) studies. U.S. Environmental Protection Agency.
- +\*EPA. 2012d. Data evaluation record. Tribufos. PC Code: 074801. TXR#: 0056274. MRID: 48709904. Study type: Acute oral dosing adult and pup comparative ChE non-guideline. Memorandum: Tribufos: Review of the acute, repeat and gestational dosing comparative cholinesterase (CCA) studies. U.S. Environmental Protection Agency.
- +\*EPA. 2012e. Data evaluation record. Tribufos. PC Code: 074801. TXR#: 0056274. MRID: 48709905. Study type: Repeat dose comparative sensitivity study in young adult female and 11 day old neonatal CD rats by oral gavage administration non guideline. Memorandum: Tribufos: Review of the acute, repeat and gestational dosing comparative cholinesterase (CCA) studies. U.S. Environmental Protection Agency.
- +\*EPA. 2012f. Data evaluation record. Tribufos. PC Code: 074801. TXR#: 0056274. MRID: 48709906. Study type: Gestational ChE inhibition [gavage]-rat; non-guideline. Memorandum: Tribufos: Review of the acute, repeat and gestational dosing comparative cholinesterase (CCA) studies. U.S. Environmental Protection Agency.
- \*EPA. 2012g. 2012 Edition of the drinking water standards and health advisories. Washington, DC: U.S. Environmental Protection Agency, Office of Water. EPA822S12001. <http://water.epa.gov/action/advisories/drinking/upload/dwstandards2012.pdf>. March 4, 2015.
- +\*EPA. 2013a. Data evaluation record. Tribufos technical: 4-Week dietary immunotoxicity study in female hen Wistar rat. Huntington Life Sciences Ltd, Woolley Road, Huntingdon, Cambridgeshire, PE284HS, England. Project ID BDG 0032. September 2011. MRID #48709907. U.S. Environmental Protection Agency.
- \*EPA. 2013b. Organophosphate insecticides. Recognition and management of pesticide poisonings. 6th ed. U.S. Environmental Protection Agency, 43-55. EPA735K13001. [https://www.epa.gov/sites/production/files/documents/rmpp\\_6thed\\_final\\_lowresopt.pdf](https://www.epa.gov/sites/production/files/documents/rmpp_6thed_final_lowresopt.pdf). January 16, 2017.
- \*EPA. 2014a. Tribufos. MRID: 48822501. Tribufos: Validation of analytical methodology for the determination of residues in soil and sediment and MRID: 48822503. Tribufos: Independent laboratory validation of methodology for the determination of residues of tribufos in soil (sandy loam and clay loam) and sediment (sandy silt loam). U.S. Environmental Protection Agency.
- \*EPA. 2014b. Title 42 - The public health and welfare. Chapter 85 - Air pollution prevention and control. Subchapter I - programs and activities. Part A - Air quality and emission limitations. Hazardous air pollutants. U.S. Environmental Protection Agency. United States Code 42 USC 7412 <https://www.gpo.gov/fdsys/pkg/USCODE-2014-title42/pdf/USCODE-2014-title42-chap85-subchapI-partA-sec7412.pdf>. April 21, 2015.



## 9. REFERENCES

- \*EPA. 2015a. Part 180a - Tolerances and exemptions for pesticide chemical residues in food. Subpart C - Specific tolerances. Tribuphos; tolerances for residues. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 180.272. <https://www.gpo.gov/fdsys/pkg/CFR-2015-title40-vol24/pdf/CFR-2015-title40-vol24-sec180-272.pdf>. March 28, 2016.
- \*EPA. 2015b. Subchapter D-water programs. Designation of hazardous substances. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 116.4. <https://www.gpo.gov/fdsys/pkg/CFR-2015-title40-vol22/pdf/CFR-2015-title40-vol22-sec116-4.pdf>. April 21, 2016.
- \*EPA. 2015c. Subpart A - General provisions. Determination of reportable quantities. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 117.3. <https://www.gpo.gov/fdsys/pkg/CFR-2015-title40-vol22/pdf/CFR-2015-title40-vol22-sec117-3.pdf>. April 21, 2015.
- \*EPA. 2015d. Subchapter J-Superfund, emergency planning, and community right-to-know programs. Designation of hazardous substances. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 302.4. <https://www.gpo.gov/fdsys/pkg/CFR-2015-title40-vol28/pdf/CFR-2015-title40-vol28-part302.pdf>. April 21, 2016.
- \*EPA. 2015e. Subpart D - Specific toxic chemical listings. Chemicals and chemical categories to which this part applies. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 372.65. <https://www.gpo.gov/fdsys/pkg/CFR-2015-title40-vol28/pdf/CFR-2015-title40-vol28-sec372-65.pdf>. April 21, 2016.
- \*EPA. 2015f. Subpart B - Manufacturers reporting - preliminary assessment information. Chemical lists and reporting periods. U.S. Environmental Protection Agency. Code of Federal Regulations 40 CFR 712.30. <https://www.gpo.gov/fdsys/pkg/CFR-2015-title40-vol31/pdf/CFR-2015-title40-vol31-sec712-30.pdf>. April 21, 2016.
- \*EPA. 2016a. Phosphorotrithioic acid, S,S,S-tributyl ester. Chemical Data Access Tool (CDAT). U.S. Environmental Protection Agency. [http://java.epa.gov/oppt\\_chemical\\_search/](http://java.epa.gov/oppt_chemical_search/). January 27, 2016.
- \*EPA. 2016b. National recommended water quality criteria - Aquatic life criteria table. Washington, DC: U.S. Environmental Protection Agency, Office of Water, Office of Science and Technology. <https://www.epa.gov/wqc/national-recommended-water-quality-criteria-aquatic-life-criteria-table>. March 22, 2016.
- \*EPA. 2016c. National recommended water quality criteria - Human health criteria table Washington, DC: U.S. Environmental Protection Agency, Office of Water, Office of Science and Technology. <https://www.epa.gov/wqc/national-recommended-water-quality-criteria-human-health-criteria-table>. March 22, 2016.
- \*Erdman AR. 2004. Pesticides. In: Dart RC, ed. Medical toxicology. Philadelphia, PA: Lippincott Williams & Wilkins, 1475-1496.
- \*Farahat FM, Ellison CA, Bonner MR, et al. 2011. Biomarkers of chlorpyrifos exposure and effect in Egyptian cotton field workers. *Environ Health Perspect* 119(6):801-806. 10.1289/ehp.1002873.
- \*FDA. 2001. Pesticide Residue Monitoring Program 2001. U.S. Food and Drug Administration. <http://www.fda.gov/Food/FoodborneIllnessContaminants/Pesticides/ucm125173.htm>. January 20, 2017.

## 9. REFERENCES

- \*FDA. 2006. U.S. Food and Drug Administration-Total diet study. Market baskets 1991-3 through 2003-4. College Park, MD: U.S. Food and Drug Administration, Office of Food Safety.
- \*FDA. 2013a. Everything added to food in the United States (EAFUS). Washington, DC: U.S. Food and Drug Administration. <http://www.accessdata.fda.gov/scripts/fcn/fcnavigation.cfm?rpt=eafuslisting>. January 8, 2014.
- \*FDA. 2013b. Pesticide monitoring program fiscal year 2013 pesticide report. U.S. Food and Drug Administration. <http://www.fda.gov/Food/FoodborneIllnessContaminants/Pesticides/ucm506932.htm>. January 2017.
- \*Fendinger NJ, Glotfelty DE. 1990. Henry's law constants for selected pesticides, PAHs and PCBs. *Environ Toxicol Chem* 9(6):731-735. 10.1002/etc.5620090606.
- \*Fomon SJ. 1966. Body composition of the infant: Part 1: The male reference infant. In: Faulkner 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(Suppl 5):1169-1175.
- \*Francis BM, Metcalf RL, Hansen LG. 1985. Toxicity of organophosphorus esters to laying hens after oral and dermal administration. *J Environ Sci Health Part B Pestic Food Contam Agric Wastes* 20(1):73-96.
- \*Fujioka K, Casida JE. 2007. Glutathione S-transferase conjugation of organophosphorus pesticides yields S-phospho-, S-aryl-, and S-alkylglutathione derivatives. *Chem Res Toxicol* 20(8):1211-1217. 10.1021/tx700133c.
- \*Gaines TB. 1969. Acute toxicity of pesticides. *Toxicol Appl Pharmacol* 14(3):515-534.
- \*Garry VF. 2004. Pesticides and children. *Toxicol Appl Pharmacol* 198(2):152-163.
- \*Gartrell MJ, Craun JC, Podrebarac DS, et al. 1986. Pesticides, selected elements, and other chemicals in adult total diet samples, October 1980-March 1982. *J Assoc Off Anal Chem* 69(1):146-161.
- \*Giwerzman A, Carlsen E, Keiding N, et al. 1993. Evidence for increasing incidence of abnormalities of the human testis: A review. *Environ Health Perspect* 101(Suppl 2):65-71.
- \*Glotfelty DE, Seiber JN, Liljedahl LA. 1987. Pesticides in fog. *Nature* 325(6105):602-605.
- \*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):1200-1209.
- \*Gunderson EL. 1995a. Dietary intakes of pesticides, selected elements, and other chemicals: FDA Total Diet Study, June 1984-April 1986. *J AOAC Int* 78(4):910-920.
- \*Gunderson EL. 1995b. FDA Total Diet Study, July 1986-April 1991, dietary intakes of pesticides, selected elements, and other chemicals. *J AOAC Int* 78(6):1353-1362.

## 9. REFERENCES

- \*Gunier RB, Bradman A, Harley KG, et al. 2016. Prenatal residential proximity to agricultural pesticide use and IQ in 7-year-old children. *Environ Health Perspect* [Epub ahead of print]. 10.1289/ehp504.
- \*Guzelian PS, Henry CJ, Olin SS. 1992. Similarities and differences between children and adults: Implications for risk assessment. Washington, DC: International Life Sciences and Press Institute Press.
- \*Hermann BW, Seiber JN. 1981. Sampling and determination of S,S,S-tributyl phosphorotrithioate, dibutyl disulfide and butyl mercaptan in field air. *Anal Chem* 53(7):1077-1082.
- \*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.
- \*Horton MK, Kahn LG, Perera F, et al. 2012. Does the home environment and the sex of the child modify the adverse effects of prenatal exposure to chlorpyrifos on child working memory? *Neurotoxicol Teratol* 34(5):534-541. 10.1016/j.ntt.2012.07.004.
- \*HSDB. 2010. Tribufos. Hazardous Substances Data Bank. National Library of Medicine. <http://toxnet.nlm.nih.gov/cgi-bin/sis/search2>. February 24, 2016.
- \*Hundley HK, Cairns T, Luke MA, et al. 1988. Pesticide residue findings by the Luke Method in domestic and imported foods and animal feeds for fiscal years 1982-1986. *J Assoc Anal Chem*(5):875-892.
- \*Hur JH, Wu SY, Casida JE. 1992. Oxidative chemistry and toxicology of S,S,S-tributyl phosphorotrithioate (DEF defoliant). *J Agric Food Chem* 40(9):1703-1709.
- \*Husain K. 2014. Delayed neurotoxicity of organophosphorus compounds. *J Environ Immunol Toxicol* 1:14-21.
- \*IARC. 2016. Agents classified by the IARC monographs. Volumes 1–115. Lyon, France: International Agency for Research on Cancer. [http://monographs.iarc.fr/ENG/Classification/List\\_of\\_Classifications\\_Vol1-115.pdf](http://monographs.iarc.fr/ENG/Classification/List_of_Classifications_Vol1-115.pdf). March 22, 2016.
- \*Jett D, Abdallah E, El-Fakahany E, et al. 1991. High-affinity activation by paraoxon of a muscarinic receptor subtype in rat brain striatum. *Pestic Biochem Physiol* 39(2):149-157.
- \*Johnson FO, Chambers JE, Nail CA, et al. 2009. Developmental chlorpyrifos and methyl parathion exposure alters radial-arm maze performance in juvenile and adult rats. *Toxicol Sci* 109(1):132-142. 10.1093/toxsci/kfp053.
- \*Kearns GL, Abdel-Rahman SM, Alander SW, et al. 2003. Developmental pharmacology--drug disposition, action, and therapy in infants and children. *N Engl J Med* 349(12):1157-1167. 10.1056/NEJMra035092.
- \*Kilgore W, Fischer C, Rivers J, et al. 1984. Human exposure to DEF/merphos. *Residue Rev* 91:71-101.
- \*Kolpin DW, Blazer VS, Gray JL, et al. 2013. Chemical contaminants in water and sediment near fish nesting sites in the Potomac River basin: Determining potential exposures to smallmouth bass (*Micropterus dolomieu*). *Sci Total Environ* 443:700-716.

## 9. REFERENCES

- \*Komori M, Nishio K, Kitada M, et al. 1990. Fetus-specific expression of a form of cytochrome P-450 in human livers. *Biochemistry* 29(18):4430-4433.
- \*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, Anderson ME, Clewell HJ, 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.
- \*Kuklenyik P. 2009. Dissertation. Detection and quantification of organophosphate pesticides in human serum. Georgia State University, Department of Chemistry.  
[http://scholarworks.gsu.edu/cgi/viewcontent.cgi?article=1045&context=chemistry\\_diss](http://scholarworks.gsu.edu/cgi/viewcontent.cgi?article=1045&context=chemistry_diss). April 26, 2016.
- \*Lee S, McLaughlin R, Harnly M, et al. 2002. Community exposures to airborne agricultural pesticides in California: Ranking of inhalation risks. *Environ Health Perspect* 110(12):1175-1184.
- \*Leeder JS, Kearns GL. 1997. Pharmacogenetics in pediatrics: Implications for practice. *Pediatr Clin North Am* 44(1):55-77.
- \*Leung H. 1993. Physiologically-based pharmacokinetic modelling. In: Ballantyne B, Marrs T, Turner P, eds. *General and applied toxicology*. Vol. 1. New York, NY: Stockton Press, 153-164.
- \*Levi PE, Hodgson E. 1985. Oxidation of pesticides by purified cytochrome p-450 isozymes from mouse liver. *Toxicol Lett* 24(2-3):221-228.
- \*Levin ED, Addy N, Nakajima A, et al. 2001. Persistent behavioral consequences of neonatal chlorpyrifos exposure in rats. *Brain Res* 130(1):83-89.
- \*Levy-Khademi F, Tenenbaum AN, Wexler ID, et al. 2007. Unintentional organophosphate intoxication in children. *Pediatr Emerg Care* 23(10):716-718. 10.1097/PEC.0b013e318155ae0e.
- \*Little RA, Ray DE. 1979. Tributyl S,S,S-phosphotrithiolate (DEF), a potential tool in thermoregulation research. *Br J Pharmacol* 66(3):438P.
- \*Livingston AL. 1978. Forage plant estrogens. *J Toxicol Environ Health* 4(2-3):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):1344-1353. 10.2307/3433754.
- \*Lotti M, Becker CE, Aminoff MJ, et al. 1983. Occupational exposure to the cotton defoliant DEF and merphos. A rational approach to monitoring organophosphorous-induced delayed neurotoxicity. *J Occup Med* 25(7):517-522.
- \*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(3):290-302. 10.1006/enrs.2000.4076.

## 9. REFERENCES

- \*Majewski MS, Foreman WT, Goolsby DA, et al. 1998. Airborne pesticide residues along the Mississippi River. *Environ Sci Technol* 32(23):3689-3698.
- \*Mamczarz J, Pescrille JD, Gavrushenko L, et al. 2016. Spatial learning impairment in prepubertal guinea pigs prenatally exposed to the organophosphorus pesticide chlorpyrifos: Toxicological implications. *Neurotoxicology* 56:17-28. 10.1016/j.neuro.2016.06.008.
- \*Marks AR, Harley K, Bradman A, et al. 2010. Organophosphate pesticide exposure and attention in young Mexican-American children: The CHAMACOS study. *Environ Health Perspect* 118(12):1768-1774. 10.1289/ehp.1002056.
- \*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(2-3):135-149.
- \*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.
- \*Morselli PL, Franco-Morselli R, Bossi L. 1980. Clinical pharmacokinetics in newborns and infants: Age-related differences and therapeutic implications. *Clin Pharmacokinet* 5(6):485-527.
- \*Mücke W, Alt KO, Esser OH. 1970. Degradation of <sup>14</sup>C-labeled diazinon in the rat. *J Agric Food Chem* 18(2):208-212.
- \*NAS/NRC. 1989. Report of the oversight committee. Biologic markers in reproductive toxicology. Washington, DC: National Academy of Sciences, National Research Council, National Academy Press, 15-35.
- \*NIOSH. 2015. Index of Chemical Abstracts Service Registry Numbers (CAS No.). 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/npgdcas.html>. March 25, 2016.
- \*NPIRS. 2016. Tribufos. National Pesticide Information Retrieval System. <http://npirspublic.ceris.purdue.edu/ppis/chemical12.aspx>. January 27, 2016.
- \*NRA. 1998. NRA special review of tribufos (DEF). Kingston, Australia: National Registration Authority. NRA Special Review Series 98.1.
- \*NRC. 1993. Pesticides in the diets of infants and children. Washington, DC: National Research Council. National Academy Press. PB93216091.
- \*NTP. 2014. Report on carcinogens. Thirteenth edition. Research Triangle Park, NC: U.S. Department of Health and Human Services, Public Health Service, National Toxicology Program. <http://ntp.niehs.nih.gov/pubhealth/roc/roc13/>. March 22, 2016.
- \*OSHA. 2015a. Gases, vapors, fumes, dusts, and mists. Appendix A to Part 1926.55-1970. American Conference of Governmental Industrial Hygienists' threshold limit values of airborne contaminants. Occupational Safety and Health Standards. Code of Federal Regulations 29 CFR 1926.55. <https://www.gpo.gov/fdsys/pkg/CFR-2015-title29-vol8/pdf/CFR-2015-title29-vol8-sec1926-55.pdf>. April 21, 2016.

## 9. REFERENCES

- \*OSHA. 2015b. Subpart Z - Toxic and hazardous substances. Air contaminants. Occupational Safety and Health Standards. Code of Federal Regulations 29 CFR 1910.1000.  
<https://www.gpo.gov/fdsys/pkg/CFR-2015-title29-vol6/pdf/CFR-2015-title29-vol6-sec1910-1000.pdf>.  
April 21, 2016.
- \*OSHA. 2015c. Subpart Z - Toxic and hazardous substances. Air contaminants. Table Z - Shipyards. Occupational Safety and Health Standards. Code of Federal Regulations 29 CFR 1915.1000.  
<https://www.gpo.gov/fdsys/pkg/CFR-2015-title29-vol7/pdf/CFR-2015-title29-vol7-sec1915-1000.pdf>.  
April 21, 2016.
- \*Osmundson M. 1998. Insecticides and pesticides. In: Viccellio P, ed. Emergency toxicology. 2nd ed. Philadelphia, PA: Lippicott-Raven Publishers, 401-413.
- \*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.
- \*Pang GF, Cao YZ, Zhang JJ, et al. 2006. Validation study on 660 pesticide residues in animal tissues by gel permeation chromatography cleanup/gas chromatography-mass spectrometry and liquid chromatography-tandem mass spectrometry. *J Chromatogr A* 1125(1):1-30.
- \*Parkinson A, Ogilvie BW. 2008. Biotransformation of xenobiotics. In: Klaassen CD, ed. Casarett and Doull's toxicology: The basic science of poisons. 7th ed. New York, NY: McGraw-Hill, 161-304.
- \*Pereira EF, Aracava Y, DeTolla LJ, Jr., et al. 2014. Animal models that best reproduce the clinical manifestations of human intoxication with organophosphorus compounds. *J Pharmacol Exp Ther* 350(2):313-321. 10.1124/jpet.114.214932.
- \*Podhorniak LV, Negron JF, Griffith FD. 2001. Gas chromatography with pulsed flame photometric detection multiresidue method for organophosphate pesticide and metabolite residues at the parts-per-billion level in representative commodities of fruit and vegetable crop groups. *J AOAC Int* 84(3):873-890.
- \*Poklis A, Kutz FW, Sperling JF, et al. 1980. A fatal diazinon poisoning. *Forensic Sci Int* 15:135-140.
- \*Potter TL, Mohammed MA, Ali H. 2007. Solid-phase extraction combined with high-performance liquid chromatography-atmospheric pressure chemical ionization-mass spectrometry analysis of pesticides in water: Method performance and application in a reconnaissance survey of residues in drinking water in Greater Cairo, Egypt. *J Agric Food Chem* 55(2):204-210.
- \*Potter TL, Reddy KN, Millhollen EP, et al. 2002. Dissipation of the defoliant tribufos in cotton-producing soils. *J Agric Food Chem* 50(13):3795-3802.
- \*Potter TL, Truman CC, Bosch DD, et al. 2003. Cotton defoliant runoff as a function of active ingredient and tillage. *J Environ Qual* 32(6):2180-2188.
- \*Ray DE. 1980. Selective inhibition of thermogenesis by tributyl S,S,S,-phosphorotrithioate (DEF). *Br J Pharmacol* 69(2):257-264.
- \*Ray DE. 1998. Chronic effects of low level exposure to anticholinesterases: A mechanistic review. *Toxicol Lett* 102-103:527-533.

## 9. REFERENCES

- \*Ray DE, Cunningham VJ. 1985. Hypothermia produced by tributyl S,S,S-phosphorotrithioate (DEF). *Arch Toxicol* 56(4):279-282.
- \*Rauh VA, Garcia WE, Whyatt RM, et al. 2015. Prenatal exposure to the organophosphate pesticide chlorpyrifos and childhood tremor. *Neurotoxicology* 51:80-86. 10.1016/j.neuro.2015.09.004.
- \*Rauh VA, Perera FP, Horton MK, et al. 2012. Brain anomalies in children exposed prenatally to a common organophosphate pesticide. *Proc Natl Acad Sci USA* 109(20):7871-7876. 10.1073/pnas.1203396109.
- \*RePORTER. 2016. Tribufos. National Institutes of Health, Research Portfolio Online Reporting Tools. <http://projectreporter.nih.gov/reporter.cfm>. April 29, 2016.
- \*Rosas LG, Eskenazi B. 2008. Pesticides and child neurodevelopment. *Curr Opin Pediatr* 20(2):191-197. 10.1097/MOP.0b013e3282f60a7d.
- \*Ross SM, McManus IC, Harrison V, et al. 2013. Neurobehavioral problems following low-level exposure to organophosphate pesticides: A systematic and meta-analytic review. *Crit Rev Toxicol* 43(1):21-44. 10.3109/10408444.2012.738645.
- \*Russo MV, Campanella L, Avino P. 2002. Determination of organophosphorus pesticide residues in human tissues by capillary gas chromatography-negative chemical ionization mass spectrometry analysis. *J Chromatogr B Biomed Appl* 780(2):431-441.
- \*Sahali Y, Jett CM, Murphy JJ. 1994. Metabolic fate of S,S,S-tributyl phosphorotrithioate (DEF) in the lactating goat. *Xenobiotica* 24(4):301-313.
- \*Saunders NR, Ek CJ, Habgood MD, et al. 2008. Barriers in the brain: A renaissance? *Trends Neurosci* 31(6):279-286. 10.1016/j.tins.2008.03.003.
- \*Saunders NR, Liddelow SA, Dziegielewska KM. 2012. Barrier mechanisms in the developing brain. *Front Pharmacol* 3(10.3389/fphar.2012.00046): Article 46. 10.3389/fphar.2012.00046.
- \*Scarborough ME, Ames RG, Lipsett MJ, et al. 1989. Acute health effects of community exposure to cotton defoliant. *Arch Environ Health* 44(6):355-360.
- \*Scheuplein R, Charnley G, Dourson M. 2002. Differential sensitivity of children and adults to chemical toxicity. I. Biological basis. *Regul Toxicol Pharmacol* 35(3):429-447.
- \*Silman I, Sussman JL. 2005. Acetylcholinesterase: 'Classical' and 'non-classical' functions and pharmacology. *Curr Opin Pharmacol* 5(3):293-302. 10.1016/j.coph.2005.01.014.
- \*Singleton ST, Lein PJ, Dadson OA, et al. 2015. Longitudinal assessment of occupational exposures to the organophosphorous insecticides chlorpyrifos and profenofos in Egyptian cotton field workers. *Int J Hyg Environ Health* 218(2):203-211. 10.1016/j.ijheh.2014.10.005.
- \*Stein LJ, Gunier RB, Harley K, et al. 2016. Early childhood adversity potentiates the adverse association between prenatal organophosphate pesticide exposure and child IQ: The CHAMACOS cohort. *Neurotoxicology* 56:180-187. 10.1016/j.neuro.2016.07.010.

## 9. REFERENCES

- \*Sternfeld M, Ming G, Song H, et al. 1998. Acetylcholinesterase enhances neurite growth and synapse development through alternative contributions of its hydrolytic capacity, core protein, and variable C termini. *J Neurosci* 18(4):1240-1249.
- \*TERA. 2014. Workplace Environmental Exposure Levels (WEEL). Cincinnati, OH: Toxicology Excellence for Risk Assessment. Occupational Alliance for Risk Science. <http://www.tera.org/OARS/WEELs.pdf>. March 22, 2016.
- \*Terry AV. 2012. Functional consequences of repeated organophosphate exposure: potential non-cholinergic mechanisms. *Pharmacol Ther* 134(3):355-365. 10.1016/j.pharmthera.2012.03.001.
- \*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.
- \*Tomlin CDS. 2003. Tribufos (823). Plant growth regulator. In: The e-pesticide manual. 13th ed. British Crop Production Council.
- \*TRI14. 2015. TRI explorer: Providing access to EPA's toxics release inventory data. Washington, DC: U.S. Environmental Protection Agency, Office of Information Analysis and Access. Office of Environmental Information. Toxics Release Inventory. <http://www.epa.gov/triexplorer/>. January 4, 2016.
- \*Ueyama J, Wang D, Kondo T, et al. 2007. Toxicity of diazinon and its metabolites increases in diabetic rats. *Toxicol Lett* 170(3):229-237.
- \*USDA. 2010. Field crops. Usual planting and harvesting dates. October 2010. United States Department of Agriculture. <http://usda.mannlib.cornell.edu/usda/current/planting/planting-10-29-2010.pdf>. January 16, 2017.
- \*USDA. 2016a. Pesticide data program. Annual summary, calendar year 2014. Washington, DC: U.S. Department of Agriculture. <https://www.ams.usda.gov/sites/default/files/media/2014%20PDP%20Annual%20Summary.pdf>. April 26, 2016.
- \*USDA. 2016b. Statistics by subject. Cotton. All cotton acres United States. United States Department of Agriculture. [https://www.nass.usda.gov/Charts\\_and\\_Maps/graphics/cotnac.pdf](https://www.nass.usda.gov/Charts_and_Maps/graphics/cotnac.pdf). July 12, 2016.
- \*USGS. 2002. Sediment deposition and selected water-quality characteristics in Cedar Lake and Lake Olathe, Northeast Kansas, 2000. U.S. Geological Survey, U.S. Department of the Interior.
- \*USGS. 2008. Pesticide occurrence and distribution in the lower Clackamas River Basin, Oregon, 2000-2005. Scientific investigation report 2008-5027. Reston, VA: U.S. Geological Survey, U.S. Department of the Interior.
- \*USGS. 2016. Pesticide national synthesis project. Pesticide use maps- tribufos. U.S. Geological Survey, U.S. Department of the Interior. [https://water.usgs.gov/nawqa/pnsp/usage/maps/show\\_map.php?year=2013&map=TRIBUFOS&hilo=L&disp=Tribufos](https://water.usgs.gov/nawqa/pnsp/usage/maps/show_map.php?year=2013&map=TRIBUFOS&hilo=L&disp=Tribufos). April 29, 2016.



## 9. REFERENCES

- \*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(2):476-483.
- \*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.
- \*WHO. 2010. WHO guidelines for indoor air quality: Selected pollutants. Geneva, Switzerland: World Health Organization. [http://www.euro.who.int/\\_\\_data/assets/pdf\\_file/0009/128169/e94535.pdf](http://www.euro.who.int/__data/assets/pdf_file/0009/128169/e94535.pdf). September 9, 2014.
- \*WHO. 2011. Guidelines for drinking-water quality. Geneva, Switzerland: World Health Organization. [http://whqlibdoc.who.int/publications/2011/9789241548151\\_eng.pdf?ua=1](http://whqlibdoc.who.int/publications/2011/9789241548151_eng.pdf?ua=1). September 9, 2014.
- \*Widdowson EM, Dickerson JWT. 1964. Chemical composition of the body. In: Comar CL, Bronner F, eds. *Mineral metabolism: An advance treatise. Volume II: The elements Part A*. New York, NY: Academic Press, 1-247.
- \*Winchell MF, Snyder NJ. 2014. Comparison of simulated pesticide concentrations in surface drinking water with monitoring data: Explanations for observed differences and proposals for a new regulatory modeling approach. *J Agric Food Chem* 62(2):348-359.
- \*Wing KD, Glickman AH, Casida JE. 1983. Oxidative bio activation of s alkyl phosphorothiolate pesticides: Stereospecificity of profenofos insecticide activation. *Science* 219(4580):63-65.
- \*Wing KD, Glickman AH, Casida JE. 1984. Phosphorothiolate pesticides and related compounds: Oxidative bioactivation and aging of the inhibited acetylcholinesterase. *Pestic Biochem Physiol* 21(1):22-30.
- \*Wofford P, Segawa R, Schreider J, et al. 2014. Community air monitoring for pesticides. Part 3: Using health-based screening levels to evaluate results collected for a year. *Environ Monit Assess* 186(3):1355-1370. 10.1007/s10661-013-3394-x.
- \*Woodrow JF, Crosby DG, Seiber JN. 1983. Vapor-phase photochemistry of pesticides. *Residue Rev* 85:111-125.
- \*Ziegler EE, Edwards BB, Jensen RL, et al. 1978. Absorption and retention of lead by infants. *Pediatr Res* 12(1):29-34.