

Reference List of all relevant peer-reviewed publications  
from the open literature that were submitted for the  
Renewal of Approval (AIR2) of Glyphosate in 2012 and  
during EU peer-review

## Toxicological and Toxicokinetic Data

The following table lists the relevant publications from the open literature that were selected for inclusion in the renewal dossier as per Article 8.5 of Regulation (EC) 1107/2009.

The publications were legally obtained by Monsanto from the public literature respecting in full all copyrights and are included in Document K.

The Category is defined as per 'Methodology paper' (Carr K.H. and Bleeke M.S., 2012) and is listed in the Category column. (Some publications are included in more than one dossier section and may have been assigned a different category for each section, in which case both are listed by section number.)

The Evaluation/Translation column includes the following information:

- 'K' indicates that a Tier II-type summary and a rating according to Klimisch *et al.*, 1997 is included in Document M for the publication
- 'T' indicates that an English translation of the publication is provided

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### Section 3 - Toxicological and toxicokinetic data

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Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluat ion / Transla tion
IIA 5.10	Abass K, Lamsa V, Reponen P, Kublbeck J, Honkakoski P, Mattila S, Pelkonen O, Hakkola J	2012	Characterization of human cytochrome P450 induction by pesticides. Toxicology 294 (1):17-26	1	
IIA 5.10	Abass K, Turpeinen M, Pelkonen O	2009	An evaluation of the cytochrome P450 inhibition potential of selected pesticides in human hepatic microsomes. Journal of Environmental Science and Health, Part B: Pesticides, Food Contaminants, and Agricultural Wastes 44 (6):553 - 563. DOI: 10.1080/03601230902997766.	1	
IIA 5.10	Acquavella J, Doe J, Tomenson J, Chester G, Cowell J, Bloemen L	2003	Epidemiologic studies of occupational pesticide exposure and cancer: Regulatory risk assessments and biologic plausibility. Annals of Epidemiology 13 (1):1-7	1	
IIA 5.10	Acquavella JF, Alexander BH, Mandel JS, Burns CJ, Gustin C	2006	Exposure misclassification in studies of agricultural pesticides: insights from biomonitoring. Epidemiology 17 (1):69-74	1	

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluat ion / Transla tion
IIA 5.10	Acquavella JF, Alexander BH, Mandel JS, Gustin C	2006	The Farm Family Exposure Study: Acquavella et al. Respond. Environ Health Perspect 114 (11):A633-A634. DOI: 10.1289/ehp.114.a633b.	1	
IIA 5.10	Acquavella JF, Alexander BH, Mandel JS, Gustin C, Baker B, Chapman P, Bleeke M	2004	Glyphosate biomonitoring for farmers and their families: Results from the farm family exposure study. Environmental Health Perspectives 112 (3): 321-326. Doi 10.1289/Ehp.6667.	1	K
IIA 5.10	Acquavella JF, Cowell JE, Cullen MR, Farmer DR, Pastides H	2001	Implications of Glyphosate Toxicology and Human Biomonitoring Data for Epidemiologic Research. Journal of Agromedicine 7 (4):7 - 27	1	
IIA 5.10	Acquavella JF, Gustin C, Alexander BH, Mandel JS	2005	Implications for epidemiologic research on variation by pesticide in studies of farmers and their families. Scandinavian Journal of Work Environment & Health 31:105-109	1	
IIA 5.10	Adams RD, Gibson AL, Good AM, Bateman DN	2010	Systematic differences between healthcare professionals and poison information staff in the severity scoring of pesticide exposures. Clin Toxicol (Phila) 48 (6):550-8. DOI: 10.3109/15563650.2010.491484.	1	
IIA 5.10	Aggrawal A	2006	Agrochemical Poisoning. In Forensic Pathology Reviews, edited by M. Tsokos. Chapter 10. pp 261-327. DOI: 10.1007/978-1-59259-921-9_10.	1	
IIA 5.10 Also listed under IIA 8.16	Akcha F, Spagnol C, Rouxel J	2012	Genotoxicity of diuron and glyphosate in oyster spermatozoa and embryos. Aquatic toxicology (Amsterdam, Netherlands) 106-107:104-13. doi:10.1016/j.aquatox.2011.10.018.	1	
IIA 5.10	Alarcon WA, Calvert GM, Blondell JM, Mehler LN, Sievert J, Propeck M, Tibbetts DS, Becker A, Lackovic M, Soileau SB, Das R, Beckman J, Male DP, Thomsen CL, Stanbury M	2005	Acute illnesses associated with pesticide exposure at schools. JAMA 294 (4):455-65. DOI: 10.1001/jama.294.4.455.	1	
IIA 5.10	Alavanja MC, Samanic C, Dosemeci M, Lubin J, Tarone R, Lynch CF, Knott C, Thomas K, Hoppin JA, Barker J, Coble J, Sandler DP, Blair A	2003	Use of agricultural pesticides and prostate cancer risk in the Agricultural Health Study cohort. Am J Epidemiol 157 (9):800-14	1	



Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluat ion / Transla tion
IIA 5.10	Alexander D, Weed D, Mink P, Mitchell M	2011	A weight-of-evidence review of colorectal cancer in pesticide applicators: the agricultural health study and other epidemiologic studies. International Archives of Occupational and Environmental Health 1-31. DOI: 10.1007/s00420-011-0723-7.		
IIA 5.10 Also listed under IIA 8.16	Alvarez-Moya C, Silva MR, Arambula ARV, Sandoval AI, Vasquez HC, Montes RMG	2011	Evaluation of genetic damage induced by glyphosate-isopropylamine salt using Tradescantia bioassays. Genetics and Molecular Biology 34 (1): 127-130	3 (8.16) (8.10)	K
IIA 5.10	Amer SM, Aly FAE, Farghaly AA, A.A.E. I	2006	In vitro and in vivo evaluation of the genotoxicity of the herbicide glyphosate in mice. Bulletin of the National Research Centre (Egypt) 31 (5):427-446	2	
IIA 5.10	Amerio P, Motta A, Toto P, Pour SM, Pajand R, Feliciani C, Tulli A	2004	Skin toxicity from glyphosate-surfactant formulation. Journal of Toxicology-Clinical Toxicology 42 (3):317-319. Doi 10.1081/Cl-120038769.	1	
IIA 5.10	Anadon A, Martinez-Larranaga MR, Martinez MA, Castellano VJ, Martinez M, Martin MT, Nozal MJ, Bernal JI	2009	Toxicokinetics of glyphosate and its metabolite aminomethyl phosphonic acid in rats. Toxicol Lett 190 (1):91-5. DOI: 10.1016/j.toxlet.2009.07.008.	1 E	K
IIA 5.10	Andre V, Goff JL, Pottier D, Lebailly P, Peluso M, Munnia A, Gauduchon P	2007	Evaluation of bulky DNA adduct levels after pesticide use: Comparison between open-field farmers and fruit growers. Toxicological & Environmental Chemistry 89 (1):125 - 139	1	
IIA 5.10	Andreotti G, Freeman LEB, Hou L, Coble J, Rusiecki J, Hoppin JA, Silverman DT, Alavanja MCR	2009	Agricultural pesticide use and pancreatic cancer risk in the Agricultural Health Study Cohort. International Journal of Cancer 124 (10):2495-2500	1	
IIA 5.10	Arbuckle TE, Lin ZQ, Mery LS	2001	An exploratory analysis of the effect of pesticide exposure on the risk of spontaneous abortion in an Ontario farm population. Environmental Health Perspectives 109 (8):851-857	3 E	K

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluat ion / Transla tion
IIA 5.10	Aris A	2012	Response to comments from Monsanto scientists on our study showing detection of glyphosate and Cry1Ab in blood of women with and without pregnancy. Reproductive Toxicology 33 (1):122-123. doi: 10.1016/j.reprotox.2011.10.008.		
IIA 5.10	Aris A, Leblanc S	2011	Maternal and fetal exposure to pesticides associated to genetically modified foods in Eastern Townships of Quebec, Canada. Reproductive Toxicology 31 (4):528-533. doi: 10.1016/j.reprotox.2011.02.004.	1 E	K
IIA 5.10	Asita AO, Makhalemele R	2008	Genotoxicity of Chlorpyrifos, Alpha-thrin, Efektio, zirikop and Springbok to onion root tip cells. African Journal of Biotechnology 7 (23): 4244-4250.	1	
IIA 5.10	Astiz M, de Alaniz MJ, Marra CA	2009	Effect of pesticides on cell survival in liver and brain rat tissues. Ecotoxicol Environ Saf 72 (7):2025-32. DOI: 10.1016/j.ecoenv.2009.05.001.	1 E	K
IIA 5.10	Astiz M, de Alaniz MJT, Marra CA	2009	Antioxidant defense system in rats simultaneously intoxicated with agrochemicals. Environmental Toxicology and Pharmacology 28 (3): 465-473. DOI: 10.1016/j.etap.2009.07.009.	1	
IIA 5.10	Astiz M, de Alaniz MJT, Marra CA	2009	The impact of simultaneous intoxication with agrochemicals on the antioxidant defense system in rat. Pesticide Biochemistry and Physiology 94 (2-3):93-99. DOI: 10.1016/j.pestbp.2009.03.005.	1	
IIA 5.10	Astiz M, Zirulnik F, Gimenez MS, de Alaniz MJT, Marra CA	2009	Overview of glyphosate toxicity and its commercial formulations evaluated in laboratory animal tests. Current Topics in Toxicology 6:1-15	1	
IIA 5.10	Axelrad JC, Howard CV, McLean WG	2003	The effects of acute pesticide exposure on neuroblastoma cells chronically exposed to diazinon. Toxicology 185 (1-2):67-78	3 E	K
IIA 5.10	Baker BA, Alexander BH, Mandel JS, Acquavella JF, Richard HE, Chapman P	2005	Farm Family Exposure Study: methods and recruitment practices for a biomonitoring study of pesticide exposure. Journal of Exposure Analysis and Environmental Epidemiology 15 (6):491-499. DOI 10.1038/sj.jea.7500427.	1	

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluat ion / Transla tion
IIA 5.10	Band PR, Abanto Z, Bert J, Lang B, Fang R, Gallagher RP, Le ND	2011	Prostate Cancer Risk and Exposure to Pesticides in British Columbia Farmers. Prostate 71 (2):168-183. doi: 10.1002/pros.21232.	1	
IIA 5.10	Bando H, Murao Y, Aoyagi U, Hirakawa A, Iwase M, Nakatani T	2010	[Extreme hyperkalemia in a patient with a new glyphosate potassium herbicide poisoning: report of a case]. Chudoku-Kenkyu 23 (3):246-249	1	T
IIA 5.10	Barbosa ER, da Costa MDL, Bacheschi LA, Scaff M, Leite CC	2001	Parkinsonism after glycine-derivate exposure. Movement Disorders 16 (3):565-568	2 E	K
IIA 5.10	Bell EM, Hertz-Picciotto I, Beaumont JJ	2001	Case-Cohort Analysis of Agricultural Pesticide Applications near Maternal Residence and Selected Causes of Fetal Death. American Journal of Epidemiology 154 (8):702-710. doi: 10.1093/aje/154.8.702.	1	
IIA 5.10	Bell EM, Hertz-Picciotto I, Beaumont JJ	2001	A case-control study of pesticides and fetal death due to congenital anomalies. Epidemiology 12 (2):148-56	3	K
IIA 5.10	Belle R, Le Bouffant R, Morales J, Cosson B, Cormier P, Mulner-Lorillon O	2007	Sea urchin embryo, DNA-damaged cell cycle checkpoint and the mechanisms initiating cancer development. J Soc Biol 201 (3):317-27	3 E	K
IIA 5.10	Benachour N, Seralini GE	2009	Glyphosate formulations induce apoptosis and necrosis in human umbilical, embryonic, and placental cells. Chem Res Toxicol 22 (1):97-105. DOI: 10.1021/tx800218n.	3 E	K
IIA 5.10	Benachour N, Sipahutar H, Moslerni S, Gasnier C, Travert C, Seralini GE	2007	Time- and dose-dependent effects of roundup on human embryonic and placental cells. Archives of Environmental Contamination and Toxicology 53 (1):126-133. DOI 10.1007/s00244-006-0154-8.	3 E	K
IIA 5.10	Benedetti AL, Vituri CD, Trentin AG, Domingues MAC, Alvarez-Silva M	2004	The effects of sub-chronic exposure of Wistar rats to the herbicide Glyphosate-Biocarb (R). Toxicology Letters 153 (2):227-232. DOI 10.1016/j.toxlet.2004.04.008.	2 E	K
IIA 5.10	Benítez-leite S, Macchi ML, Acosta M	2009	Malformaciones congénitas asociadas a agrotóxicos. Archives of Pediatrics 80 (3):377-378. doi: 10.4067/S0370-41062009000400010.	E	K



Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluat ion / Transla tion
IIA 5.10	Beuret CJ, Zirulnik F, Gimenez MS	2005	Effect of the herbicide glyphosate on liver lipoperoxidation in pregnant rats and their fetuses. Reproductive Toxicology 19 (4):501-504. DOI: 10.1016/j.reprotox.2004.09.009.	1	
IIA 5.10	Blair A, Freeman LB	2009	Epidemiologic Studies in Agricultural Populations: Observations and Future Directions. Journal of Agromedicine 14 (2):125-131. doi: 10.1080/10599240902779436	2	
IIA 5.10	Bo Nielsen J	2010	Efficacy of skin wash on dermal absorption: an in vitro study on four model compounds of varying solubility. Int Arch Occup Environ Health 83 (6):683-90. DOI: 10.1007/s00420-010-0546-y.	1	
IIA 5.10	Bo Nielsen J, Ahm Sorensen J, Nielsen F	2009	The usual suspects-influence of physicochemical properties on lag time, skin deposition, and percutaneous penetration of nine model compounds. J Toxicol Environ Health A 72 (5):315-23. DOI: 10.1080/15287390802529872.	1	
IIA 5.10	Bolognesi C, Bonatti S, Degan P, Gallerani E, Peluso M, Rabboni R, Roggieri P, Abbondandolo A	1997	Genotoxic activity of glyphosate and its technical formulation roundup. Journal of Agricultural and Food Chemistry 45 (5):1957-1962. doi: 10.1021/jf9606518.	E	K
IIA 5.10	Bolognesi C, Carrasquilla G, Volpi S, Solomon KR, Marshall EJ	2009	Biomonitoring of genotoxic risk in agricultural workers from five colombian regions: association to occupational exposure to glyphosate. J Toxicol Environ Health A 72 (15-16):986-97. DOI: 10.1080/15287390902929741.	2	
IIA 5.10	Bolognesi C, Creus A, Ostrosky-Wegman P, Marcos R	2011	Micronuclei and pesticide exposure. Mutagenesis 26 (1):19-26. doi: 10.1093/mutage/geq070.	2	
IIA 5.10	Bolognesi C, Landini E, Perrone E, Roggieri P	2004	Cytogenetic biomonitoring of a floriculturist population in Italy: micronucleus analysis by fluorescence in situ hybridization (FISH) with an all-chromosome centromeric probe. Mutation Research-Genetic Toxicology and Environmental Mutagenesis 557 (2):109-117. DOI: 10.1016/j.mrgentox.2003.09.013.	3	K

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluat ion / Transla tion
IIA 5.10	Bolognesi C, Perrone E, Landini E	2002	Micronucleus monitoring of a floriculturist population from western Liguria, Italy. <i>Mutagenesis</i> 17 (5):391-397	3	K
IIA 5.10	Bonner MR, Alavanja MCR	2005	The Agricultural Health Study Biomarker Workshop on Cancer Etiology - Introduction: Overview of study design, results, and goals of the workshop. <i>Journal of Biochemical and Molecular Toxicology</i> 19(3):169-171. Doi 10.1002/Jbt.20070.	1	
IIA 5.10	Bortoli GM, Azevedo MB, Silva LB	2009	Cytogenetic biomonitoring of Brazilian workers exposed to pesticides: micronucleus analysis in buccal epithelial cells of soybean growers. <i>Mutat Res</i> 675 (1-2):1-4. DOI: 10.1016/j.mrgentox.2009.01.001.	2	
IIA 5.10	Bradberry SM, Proudfoot AT, Vale JA	2004	Glyphosate poisoning. <i>Toxicol Rev</i> 23 (3):159-67	1	
IIA 5.10	Bukowska B, Pieniazek D, Duda W	2002	Hemolysis and Lipid Peroxidation In Human Erythrocytes Incubated With Roundup. <i>Current Topics in Biophysics</i> 26 (2):245-249	1	
IIA 5.10	Burger M, Fernandez S	2004	Exposición al herbicida glifosato: aspectos clínicos toxicológicos. <i>Revista Medica del Uruguay</i> 20 (202-207)	1	
IIA 5.10	Caglar S, Kolankaya D	2008	The effect of sub-acute and sub-chronic exposure of rats to the glyphosate-based herbicide Roundup. <i>Environmental Toxicology and Pharmacology</i> 25 (1):57-62. DOI 10.1016/j.etap.2007.08.011.	2	
IIA 5.10	Galoni F, Continovis C, Rivalta M, Davanzo F	2012	Animal poisoning in Italy: 10 years of epidemiological data from the Poison Control Centre of Milan. <i>Veterinary Record</i> . DOI: 10.1136/vr.100210.	1	
IIA 5.10	Calvert GM, Mehler LN, Rosales R, Baum J, Thomsen C, Male D, Shafey O, Das R, Lackovic M, Arvizu E	2003	Acute pesticide-related illnesses among working youths, 1988-1999. <i>American Journal of Public Health</i> 93 (4):605-610	1	
IIA 5.10	Carrasco AE	2011	Reply to the Letter to the Editor Regarding Our Article (Paganelli et al., 2010). <i>Chemical Research in Toxicology</i> 24 (5):610-613. doi: 10.1021/tx200072k.	3 E	K

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluat ion / Transla tion
IIA 5.10	Carreon T, Butler MA, Ruder AM, Waters MA, Davis-King KE, Calvert GM, Schulte PA, Connally B, Ward EM, Sanderson WT, Heineman EF, Mandel JS, Morton RF, Reding DJ, Rosenman KD, Talaska G, Grp BCCS	2005	Gliomas and farm pesticide exposure in women: The Upper Midwest Health Study. Environmental Health Perspectives 113 (5):546-551. Doi 10.1289/Ehp.7456.		
IIA 5.10 Also listed under IIA 8.16	Cavalcante DGSM, Martinez CBR, Sofia SH	2008	Genotoxic effects of Roundup (R) on the fish Prochilodus lineatus. Mutation Research-Genetic Toxicology and Environmental Mutagenesis 655 (1-2):41-46. DOI 10.1016/j.mrgentox.2008.06.010.	1 (8.16) 2 (5.10)	
IIA 5.10 Also listed under IIA 8.16	Cavas T, Konen S	2007	Detection of cytogenetic and DNA damage in peripheral erythrocytes of goldfish (Carassius auratus) exposed to a glyphosate formulation using the micronucleus test and the comet assay. Mutagenesis 22 (4):263-8. DOI 10.1093/mutage/gem012.	2 (8.16) 3 (5.10) E	K
IIA 5.10	Çavuşoğlu K, Yapar K, Oruç E, Yalçın E	2011	Protective Effect of Ginkgo biloba L. Leaf Extract Against Glyphosate Toxicity in Swiss Albino Mice Journal of Medicinal Food. 14 (10): 1263-1272. DOI: 10.1089/jmf.2010.0202.	2	
IIA 5.10	Chan YC, Chang SC, Hsuan SC, Chien MS, Lee WC, Kang JJ, Wang SC, Liao JW	2007	Cardiovascular effects of herbicides and formulated adjuvants on isolated rat aorta and heart. Toxicology in Vitro 21 (4):595-603. DOI 10.1016/j.tiv.2006.12.007.	1	
IIA 5.10	Chang CB, Chang CC	2009	Refractory cardiopulmonary failure after glyphosate surfactant intoxication: a case report. J Occup Med Toxicol 4:2. DOI: 10.1186/1745-6673-4-2.	1	
IIA 5.10	Chatzi L, Alegakis A, Tzanakis N, Stafakas N, Kogevinas M, Lionis C	2007	Association of allergic rhinitis with pesticide use among grape farmers in Crete, Greece. Occup Environ Med 64 (6):417-21. DOI: 10.1136/oem.2006.029835.	1	

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluat ion / Transla tion
IIA 5.10	Clair E, Linn L, Travert C, Amiel C, Seralini G-E, Panoff J-M	2012	Effects of Roundup and Glyphosate on Three Food Microorganisms: Geotrichum candidum, Lactococcus lactis subsp. cremoris and Lactobacillus delbrueckii subsp. bulgaricus. Current Microbiology 64 (5): 486-91	3	K
IIA 5.10	Clair E, Mesnage R, Gress R, Travert C, Seralini G	2010	A glyphosate-based herbicide results in necrosis and apoptosis of testicular cells in mature rats [Un herbicide à base de glyphosate induit la nécrose et l'apoptose des cellules testiculaires de rats matures], Paper read at 27e congrès de la Société française d'endocrinologie, 29 September - 2 October 2010, at Deauville, France.	3	
IIA 5.10	Clair É, Mesnage R, Travert C, Séralini G-É	2012	A glyphosate-based herbicide induces necrosis and apoptosis in mature rat testicular cells in vitro, and testosterone decrease at lower levels. Toxicology in Vitro 26 (2):269-279. DOI: 10.1016/j.tiv.2011.12.009.	3	K
IIA 5.10	Cole RD, Anderson GL, Williams PL	2004	The nematode Caenorhabditis elegans as a model of organophosphate-induced mammalian neurotoxicity. Toxicology and Applied Pharmacology 194 (3):248-256. DOI 10.1016/j.taap.2003.09.013.	1	
IIA 5.10	Curwin BD, Hein MJ, Sanderson WT, Nishioka MG, Reynolds SJ, Ward EM, Alavanja MC	2005	Pesticide contamination inside farm and nonfarm homes. Journal of Occupational and Environmental Hygiene 2 (7):357-367. Doi 10.1080/15459620591001606.	1	
IIA 5.10	Curwin BD, Hein MJ, Sanderson WT, Striley C, Heederik D, Kromhout H, Reynolds SJ, Alavanja MC	2007	Pesticide dose estimates for children of Iowa farmers and non-farmers. Environmental Research 105 (3):307-315. DOI: 10.1016/j.envres.2007.06.001.	1	
IIA 5.10	Curwin BD, Hein MJ, Sanderson WT, Striley C, Heederik D, Kromhout H, Reynolds SJ, Alavanja MC	2007	Urinary pesticide concentrations among children, mothers and fathers living in farm and non-farm households in iowa. Ann Occup Hyg 51 (1): 53-65. DOI: 10.1093/annhyg/mel062.	1	
IIA 5.10	da Costa MDL, Goncalves LR, Barbosa ER, Bacheschi LA	2003	Neuroimaging abnormalities in parkinsonism: study of five cases. Arquivos De Neuro-Psiquiatria 61 (2B):381-386	2	



Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluat ion / Transla tion
IIA 5.10	Dallegrave E, Digiorgio MF, Dalsenter PR, A. L	2002	Oral acute toxicity of glyphosate in Wistar rats. Online Journal of Veterinary Research 1:29-34	2	
IIA 5.10	Dallegrave E, Mantese FD, Coelho RS, Pereira JD, Dalsenter PR, Langeloh A	2003	The teratogenic potential of the herbicide glyphosate-Roundup (R) in Wistar rats. Toxicology Letters 142 (1-2):45-52	3 E	K
IIA 5.10	Dallegrave E, Mantese FD, Oliveira RT, Andrade AJM, Dalsenter PR, Langeloh A	2007	Pre- and postnatal toxicity of the commercial glyphosate formulation in Wistar rats. Archives of Toxicology 81 (9):665-673. DOI 10.1007/s00204-006-0170-5.	3 E	K
IIA 5.10	Daruich J, Zirulnik F, Gimenez MS	2001	Effect of the herbicide glyphosate on enzymatic activity in pregnant rats and their fetuses. Environmental Research 85 (3):226-231. DOI 10.1006/enrs.2000.4229.	3	K
IIA 5.10	Davanzo F, Settimi L, Faraoni L, Maozzi P, Travaglia A, Marcello I	2004	[Agricultural pesticide-related poisonings in Italy: cases reported to the Poison Control Centre of Milan in 2000-2001]. Epidemiol Prev 28 (6): 330-7	1	
IIA 5.10	Dawson AH, Eddleston M, Senarathna L, Mohamed F, Gawarammana I, Bowe SJ, Manuweera G, Buckley NA	2010	Acute Human Lethal Toxicity of Agricultural Pesticides: A Prospective Cohort Study. Plos Medicine 7 (10)	1	
IIA 5.10	Dayton SB, Sandler DP, Blair A, Alavanja MC, Beane Freeman LE, Hoppin JA	2010	Pesticide use and myocardial infarction incidence among farm women in the agricultural health study. Journal of Occupational and Environmental Medicine 52 (7):693-697. doi: 10.1097/JOM.0b013e3181e66d25.	1	
IIA 5.10	De Roos AJ, Blair A, Rusiecki JA, Hoppin JA, Svec M, Dosemeci M, Sandler DP, Alavanja MC	2005	Cancer incidence among glyphosate-exposed pesticide applicators in the agricultural health study. Environmental Health Perspectives 113 (1): 49-54	2 E	K
IIA 5.10	De Roos AJ, Zahm SH, Cantor KP, Weisenburger DD, Holmes FF, Burmeister LF, Blair A	2003	Integrative assessment of multiple pesticides as risk factors for non-Hodgkin's lymphoma among men. Occupational and Environmental Medicine 60 (9):- E11	3	K



Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluat ion / Transla tion
IIA 5.10	Dimitrov BD, Gadeva PG, Benova DK, Bineva MV	2006	Comparative genotoxicity of the herbicides Roundup, Stomp and Reglone in plant and mammalian test systems. Mutagenesis 21 (6):375-82. DOI: 10.1093/mutage/gel044.	1	
IIA 5.10	El-Demerdash FM, Yousef MI, Elagamy EI	2001	Influence of paraquat, glyphosate, and cadmium on the activity of some serum enzymes and protein electrophoretic behavior (in vitro). Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes 36 (1):29-42	2	
IIA 5.10	Elie-Caille C, Heu C, Guyon C, Nicod L	2010	Morphological damages of a glyphosate-treated human keratinocyte cell line revealed by a micro- to nanoscale microscopic investigation. Cell Biol Toxicol 26 (4):331-9 DOI: 10.1007/s10565-009-9146-6.	1	
IIA 5.10	El-Shenawy NS	2009	Oxidative stress responses of rats exposed to Roundup and its active ingredient glyphosate. Environmental Toxicology and Pharmacology 28 (3):379-385	1	
IIA 5.10	Engel LS, Checkoway H, Keifer MC, Seixas NS, Longstreth WT, Jr., Scott KC, Hudnell K, Anger WK, Camicioli R	2001	Parkinsonism and occupational exposure to pesticides. Occup Environ Med 58 (9):582-9	1	
IIA 5.10	Engel LS, Hill DA, Hoppin JA, Lubin JH, Lynch CF, Pierce J, Samanic C, Sandler DP, Blair A, Alavanja MC	2005	Pesticide use and breast cancer risk among farmers' wives in the agricultural health study. American Journal of Epidemiology 161 (2): 121-135. doi: 10.1093/aje/kwi022.	1	
IIA 5.10	Eriksson M, Hardell L, Carlberg M, Akerman M	2008	Pesticide exposure as risk factor for non-Hodgkin lymphoma including histopathological subgroup analysis. Int J Cancer 123 (7):1657-63. DOI: 10.1002/ijc.23589.	3 E	K
IIA 5.10	Felsot AS	2011	Pesticides Health Myths vs. Realities. American Council on Science and Health	1	
IIA 5.10	Firth HM, Rothstein DS, Herbison GP, McBride DI	2007	Chemical exposure among NZ farmers. Int J Environ Health Res 17 (1): 33-43. DOI: 10.1080/09603120601124181.	1	

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluat ion / Transla tion
IIA 5.10	Fisher KR, Higginbotham R, Frey J, Granese J, Pillow J, Skinner RB	2008	Pesticide-associated pemphigus vulgaris. <i>Cutis</i> 82 (1):51-4	1	
IIA 5.10	Flower KB, Hoppin JA, Lynch CF, Blair A, Knott C, Shore DL, Sandler DP	2004	Cancer risk and parental pesticide application in children of agricultural health study participants. <i>Environmental Health Perspectives</i> 112 (5): 631-635		
IIA 5.10	Forgacs AL, Ding Q, Jaremba RG, Huhtaniemi IT, Rahman NA, Zacharewski TR	2012	BLTK1 Murine Leydig Cells: A Novel Steroidogenic Model for Evaluating the Effects of Reproductive and Developmental Toxicants. <i>Toxicological Sciences</i> . DOI: 10.1093/toxsci/kfs121	1	
IIA 5.10	Frappart M, Vouriot D, Lemoine L, Floch T, Leon A	2011	A fatal acute poisoning with glyphosate: Importance of gastrointestinal toxicity. <i>Annales Françaises D'Anesthésie Et De Réanimation</i> 30 (11): 852-854. doi:10.1016/j.annfar.2011.07.006.	1	
IIA 5.10	Freeman LB	2009	Evaluation of agricultural exposures: the agricultural health study and the agricultural cohort consortium. <i>Reviews on Environmental Health</i> 24 (4, Sp. Iss. SI):311-318	1	
IIA 5.10	Fritschl E, Benke G, Hughes AM, Krickler A, Turner J, Vardic CM, Grulich A, Milliken S, Kaldor J, Armstrong BK	2005	Occupational exposure to pesticides and risk of non-Hodgkin's lymphoma. <i>American Journal of Epidemiology</i> 162 (9):849-857. Doi 10.1093/Aje/Kwi292.	2	K
IIA 5.10	Garry VF	2004	Pesticides and children. <i>Toxicology and Applied Pharmacology</i> 198 (2): 152-163. DOI 10.1016/j.taap.2003.11.027.	2	
IIA 5.10	Garry VF, Harkins ME, Erickson LL, Long-Simpson LK, Holland SE, Burroughs BL	2002	Birth defects, season of conception, and sex of children born to pesticide applicators living in the Red River Valley of Minnesota, USA. <i>Environmental Health Perspectives</i> 110:441-449	3 E	K
IIA 5.10	Garry VF, Holland SE, Erickson LL, Burroughs BL	2003	Male reproductive hormones and thyroid function in pesticide applicators in the Red River Valley of Minnesota. <i>Journal of Toxicology and Environmental Health-Part A</i> 66 (11):965-986. Doi 10.1080/15287390390212792.	3	K

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IIA 5.10	Gasnier C, Benachour N, Clair E, Travert C, Langlois F, Laurant C, Decroix-Laporte C, Seralini GE	2010	Dig1 protects against cell death provoked by glyphosate-based herbicides in human liver cell lines. J Occup Med Toxicol 5:29. DOI: 10.1186/1745-6673-5-29.	2	
IIA 5.10	Gasnier C, Dumont C, Benachour N, Clair E, Chagnon MC, Seralini GE	2009	Glyphosate-based herbicides are toxic and endocrine disruptors in human cell lines. Toxicology 262 (3):184-191. DOI: 10.1016/j.tox.2009.06.006.	3 E	K
IIA 5.10	Gasnier C, Laurant C, Decroix-Laporte C, Mesnage R, Clair E, Travert C, Seralini GE	2011	Defined plant extracts can protect human cells against combined xenobiotic effects. J Occup Med Toxicol 6 (1)3. DOI: 10.1186/1745-6673-6-3.	2	
IIA 5.10	Gehin A, Guillaume YC, Millet J, Guyon C, Nicod L	2005	Vitamins C and E reverse effect of herbicide-induced toxicity on human epidermal cells HaCaT: a biochemometric approach. International Journal of Pharmaceutics 288 (2):219-226. DOI 10.1016/j.ijpharm.2004.09.024.	2	
IIA 5.10	Gehin A, Guyon C, Nicod L	2006	Glyphosate-induced antioxidant imbalance in HaCaT: The protective effect of vitamins C and E. Environmental Toxicology and Pharmacology 22 (1):27-34. DOI 10.1016/j.etap.2005.11.003.	2	
IIA 5.10	Gencer N, Arslan O	2011	In vitro effects of some pesticides on PON1Q192 and PON1R192 isoenzymes from human serum. Fresenius Environmental Bulletin 20 (3): 590-596	1	
IIA 5.10	George J, Prasad S, Mahmood Z, Shukla Y	2010	Studies on glyphosate-induced carcinogenicity in mouse skin: a proteomic approach. J Proteomics 73 (5):951-64. DOI: 10.1016/j.jprot.2009.12.008.	2 E	K
IIA 5.10	Goldner WS, Sandler DP, Yu F, Hoppin JA, Kamel F, Levan TD	2010	Pesticide use and thyroid disease among women in the Agricultural Health Study. Am J Epidemiol 171 (4):455-64. DOI: 10.1093/aje/kwp404.	1	
IIA 5.10	Goldstein DA, Acquavella JF, Mannion RM, Farmer DR	2002	An analysis of glyphosate data from the California Environmental Protection Agency Pesticide Illness Surveillance Program. Journal of Toxicology-Clinical Toxicology 40 (7):885-892. Doi 10.1081/Clt-120016960.	1	

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IIA 5.10	Goldstein DA, Dubelman S, Grothaus D, Hammond BG	2012	Comment: Aris and Leblanc "Maternal and fetal exposure to pesticides associated to genetically modified foods in Eastern Townships of Quebec, Canada". Reproductive Toxicology 33 (1):120-121. doi:10.1016/j.reprotox.2011.10.007.		
IIA 5.10	Greenlee AR, Arbuckle TE, Chyou PH	2003	Risk factors for female infertility in an agricultural region. Epidemiology 14 (4):429-436. Doi 10.1097/01.Ede.0000071407.15670.Aa.	2	
IIA 5.10 Also listed under IIA 8.16	Grisolia CK	2002	A comparison between mouse and fish micronucleus test using cyclophosphamide, mitomycin C and various pesticides. Mutation Research-Genetic Toxicology and Environmental Mutagenesis 518 (2): 145-150	1	
IIA 5.10	Gui Y-x, Fan X-n, Wang H-m, Wang G, Chen S-d	2012	Glyphosate induced cell death through apoptotic and autophagic mechanisms. Neurotoxicology and Teratology 34 (3):344-349. DOI: 10.1016/j.nt.2012.03.005	3	K
IIA 5.10 Also listed under IIA 8.16	Guilherme S, Gaivão I, Santos MA, Pacheco M	2010	European eel ( <i>Anguilla anguilla</i> ) genotoxic and pro-oxidant responses following short-term exposure to Roundup®—a glyphosate-based herbicide. Mutagenesis 25 (5):523-530. DOI: 10.1093/mutage/geq038.	3 (8.16) 2 (5.10) E	K
IIA 5.10	Han SK, Jeong J, Yeom S, Ryu J, Park S	2010	Use of a lipid emulsion in a patient with refractory hypotension caused by glyphosate-surfactant herbicide. Clin Toxicol (Phila) 48 (6):566-8. DOI: 10.3109/15563650.2010.496730.	1	
IIA 5.10	Hardell L, Eriksson M	1999	A case-control study of non-Hodgkin lymphoma and exposure to pesticides. Cancer 85 (6):1353-1360. doi: 10.1002/(sici)1097-0142(19990315)85:6<1353::aid-cnrc19>3.0.co;2-1.	E	K
IIA 5.10	Hardell L, Eriksson M, Nordstrom M	2002	Exposure to pesticides as risk factor for non-Hodgkin's lymphoma and hairy cell leukemia: Pooled analysis of two Swedish case-control studies. Leukemia & Lymphoma 43 (5):1043-1049. Doi 10.1080/10428190290021560.	3 E	K



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IIA 5.10	Hecker M, Hollert H, Cooper R, Vinggaard AM, Akahori Y, Murphy M, Nellemann C, Higley E, Newsted J, Laskey J, Buckalew A, Grund S, Maletz S, Giesy J, Timm G	2011	The OECD validation program of the H295R steroidogenesis assay: Phase 3. Final inter-laboratory validation study. Environmental Science and Pollution Research 18 (3):503-515. doi: 10.1007/s11356-010-0396-x.		
IIA 5.10	Helal AD, Moussa HM	2005	Chromosomal aberrations induced by glyphosate isopropylamine herbicide and trials for diminishing its toxicity using some chemical inactivators and antioxidant. Veterinary Medical Journal Giza 53 (2, Pt. 1):169-187.	2	
IIA 5.10	Heras-Mendoza F, Casado-Farinas I, Paredes-Gascon M, Conde-Salazar L	2008	Erythema multiforme-like eruption due to an irritant contact dermatitis from a glyphosate pesticide. Contact Dermatitis 59 (1):54-6. DOI: 10.1111/j.1600-0536.2007.01307.x	2	
IIA 5.10	Heu C, Berquand A, Elie-Caille C, Nicod L	2012	Glyphosate-induced stiffening of HaCaT keratinocytes, a Peak Force Tapping study on living cells. Journal of structural biology 178 (1):1-7	3	K
IIA 5.10	Heu C, Elie-Caille C, Mougey V, Launay S, Nicod L	2012	A step further toward glyphosate-induced epidermal cell death: Involvement of mitochondrial and oxidative mechanisms. Environmental Toxicology and Pharmacology 34 (2):144-153. DOI: 10.1016/j.etap.2012.02.010.	3	K
IIA 5.10	Heydens WF, Healy CE, Hotz KJ, Kier LD, Martens MA, Wilson AGE, Farmer DR	2008	Genotoxic potential of glyphosate formulations: Mode-of-action investigations. Journal of Agricultural and Food Chemistry 56 (4): 1517-1523. Doi 10.1021/Jf072581i.	1	
IIA 5.10	Hokanson R, Fudge R, Chowdhary R, Busbee D	2007	Alteration of estrogen-regulated gene expression in human cells induced by the agricultural and horticultural herbicide glyphosate. Hum Exp Toxicol 26 (9):747-52. DOI: 10.1177/0960327107083453.	2 E	K
IIA 5.10	Holeckova B	2006	Evaluation of the in vitro effect of glyphosate-based herbicide on bovine lymphocytes using chromosome painting. Bulletin of the Veterinary Research Institute in Pulawy 50 (4):533-536	2	



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IIA 5.10	Hopa E, Sinan S, Turan Y	2011	The inhibitory effects of some pesticides on human erythrocyte glucose-6-phosphate dehydrogenase activity (in vitro). Fresenius Environmental Bulletin 20 (5A):1314-1319	2	
IIA 5.10	Hoppin JA, Umbach DM, London SJ, Alavanja MC, Sandler DP	2002	Chemical predictors of wheeze among farmer pesticide applicators in the Agricultural Health Study. Am J Respir Crit Care Med 165 (5):683-9	1	
IIA 5.10	Hoppin JA, Umbach DM, London SJ, Henneberger PK, Kullman GJ, Alavanja MC, Sandler DP	2008	Pesticides and atopic and nonatopic asthma among farm women in the Agricultural Health Study. Am J Respir Crit Care Med 177 (1):11-8. DOI: 10.1164/rccm.200706-821OC.	1	
IIA 5.10	Hoppin JA, Umbach DM, London SJ, Henneberger PK, Kullman GJ, Coble J, Alavanja MC, Beane Freeman LE, Sandler DP	2009	Pesticide use and adult-onset asthma among male farmers in the Agricultural Health Study. Eur Respir J 34 (6):1296-303. DOI: 10.1183/09031936.00005509.	1	
IIA 5.10	Hoppin JA, Umbach DM, London SJ, Lynch CF, Alavanja MC, Sandler DP	2006	Pesticides associated with wheeze among commercial pesticide applicators in the Agricultural Health Study. Am J Epidemiol 163 (12): 1129-37. DOI: 10.1093/aje/kwj138.	1	
IIA 5.10	Hoppin JA, Valcin M, Henneberger PK, Kullman GJ, Umbach DM, London SJ, Alavanja MC, Sandler DP	2007	Pesticide use and chronic bronchitis among farmers in the Agricultural Health Study. Am J Ind Med 50 (12):969-79. DOI: 10.1002/ajim.20523.	1	
IIA 5.10	Hsiao CT, Lin LJ, Hsiao KY, Chou MH, Hsiao SH	2008	Acute pancreatitis caused by severe glyphosate-surfactant oral intoxication. Am J Emerg Med 26 (3):384 e3-5. DOI: 10.1016/j.ajem.2007.06.024.	1	
IIA 5.10	Hultberg M	2007	Cysteine turnover in human cell lines is influenced by glyphosate. Environmental Toxicology and Pharmacology 24 (1):19-22. DOI 10.1016/j.etap.2007.01.002.	2	
IIA 5.10	Inazu N, Fujii T	2004	Changes in testicular carbonyl reductase in rats exposed in utero to glyphosate, herbicide. Bulletin of Teikyo Heisei Junior College 14:39-45	1	T

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IIA 5.10	Ishiguro M, Mikasa S, Otani M	2004	[A case of acute poisoning caused by the inhalation of a nonselective herbicide REBIN GT SC (butafenacil and glyphosate isopropylamine)]. Chudoku Kenkyu 17 (1):51-4	1	
IIA 5.10	Ivanov I, Halkova ZH, Tsoleva S, Simeonov K, Sainova I, Tasheva M	2001	Cytotoxicity induced by herbicides glyphosate and alachlor in vitro. Experimental Pathology and Parasitology 4 (6):20-26	1	
IIA 5.10	Johnson PD, Rimmer DA, Garrod AN, Helps JE, Mawdsley C	2005	Operator exposure when applying amenity herbicides by all-terrain vehicles and controlled droplet applicators. Ann Occup Hyg 49 (1):25-32. DOI: 10.1093/annhyg/meh073.	1	
IIA 5.10	Kale PG, Petty BT, Walker S, Ford JB, Dehkordi N, Tarasia S, Tasie BO, Kale R, Sohni YR	1995	Mutagenicity testing of 9 herbicides and pesticides currently used in agriculture. Environmental and Molecular Mutagenesis 25 (2):148-153. doi: 10.1002/em.2850250208.	E	K
IIA 5.10	Kamel F, Hoppin JA	2004	Association of pesticide exposure with neurologic dysfunction and disease. Environmental Health Perspectives 112 (9):950-958. Doi 10.1289/Ehp.7135.	1	
IIA 5.10	Kamel F, Tanner CM, Umbach DM, Hoppin JA, Alavanja MCR, Blair A, Comyns K, Goldman SM, Korell M, Langston JW, Ross GW, Sandler DP	2007	Pesticide exposure and self-reported Parkinson's disease in the agricultural health study. American Journal of Epidemiology 165 (4): 364-374. Doi 10.1093/Aje/Kwk024.	1	
IIA 5.10	Kamijo Y, Mekari M, Yoshimura K, Kan'o, Tomomichi, Soma K	2012	Glyphosate-surfactant herbicide products containing glyphosate potassium salt can cause fatal hyperkalemia if ingested in massive amounts. Clinical Toxicology 50 (2):159-159. doi: 10.3109/15563650.2011.648747.	1	
IIA 5.10	Kang L-F, Zeng M, Guan L, Guo J-M, Chen P, Zhong C-G	2008	Study on Mutagenesis Induced by Glyphosate in Mice. Carcinogenesis, Teratogenesis & Mutagenesis (Aibian, Jibian, Tubian) 20(3) :227-230. 20 (3):227-230	2	T

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IIA 5.10	Karunanayake CP, Spinelli JJ, McLaughlin JR, Dosman JA, Pahwa P, McDuffie HH	2011	Hodgkin Lymphoma and Pesticides Exposure in Men: A Canadian Case- Control Study. Journal of Agromedicine 17 (1):30-39. DOI: 10.1080/1059924x.2012.632726.	1	
IIA 5.10	Keim SA, Alavanja MC	2001	Pesticide use by persons who reported a high pesticide exposure event in the agricultural health study. Environ Res 85 (3):256-9. DOI: 10.1006/ enrs.2000.4224.	1	
IIA 5.10	Kirby RS	2002	Re: "Case-cohort analysis of agricultural pesticide applications near maternal residence and selected causes of fetal death". American Journal of Epidemiology 155 (8):779-780. doi: 10.1093/aje/155.8.779.	1	
IIA 5.10	Kirrane EF, Hoppin JA, Kamel F, Umbach DM, Boyes WK, DeRoos AJ, Alavanja M, Sandler DP	2005	Retinal degeneration and other eye disorders in wives of farmer pesticide applicators enrolled in the agricultural health study. American Journal of Epidemiology 161 (11):1020-1029. Doi 10.1093/Aje/Kwi140.	1	
IIA 5.10	Knopper LD, Lean DRS	2004	Carcinogenic and genotoxic potential of turf pesticides commonly used on golf courses. Journal of Toxicology and Environmental Health-Part B- Critical Reviews 7 (4):267-279. Doi 10.1080/10937400490452697.	1	
IIA 5.10	Kojima H, Katsura E, Takeuchi S, Niiyama K, Kobayashi K	2004	Screening for estrogen and androgen receptor activities in 200 pesticides by in vitro reporter gene assays using Chinese hamster ovary cells. Environmental Health Perspectives 112 (5):524-531	1	
IIA 5.10	Kojima H, Sata F, Takeuchi S, Sueyoshi T, Nagai T	2011	Comparative study of human and mouse pregnane X receptor agonistic activity in 200 pesticides using in vitro reporter gene assays. Toxicology 280 (3):77-87. doi: 10.1016/j.tox.2010.11.008.	1	
IIA 5.10 Also listed under IIA 8.16	Kramer V, Blewett C, Gersich M	2008	Comments on "Evaluation of Estrogenic Activities of Aquatic Herbicides and Surfactants Using a Rainbow Trout Vitellogenin Assay". Toxicol. Sci. 104 (1):228-230. DOI: 10.1093/toxsci/kfn067.	2 (8.16) 1 (5.10)	
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IIA 5.10	Landgren O, Kyle RA, Hoppin JA, Freeman LEB, Cerhan JR, Katzmann JA, Rajkumar SV, Alavanja MC	2009	Pesticide exposure and risk of monoclonal gammopathy of undetermined significance in the Agricultural Health Study. Blood 113 (25):6386-6391. DOI 10.1182/blood-2009-02-203471.	1	
IIA 5.10	Lash TL	2007	Bias analysis applied to Agricultural Health Study publications to estimate non-random sources of uncertainty. J Occup-Med Toxicol 2:15. DOI: 10.1186/1745-6673-2-15.	2	
IIA 5.10	Lebailly P, Devaux A, Pottier D, De Meo M, Andre V, Baldi I, Severin F, Bernaud J, Durand B, Henry-Amar M, Gauduchon P	2003	Urine mutagenicity and lymphocyte DNA damage in fruit growers occupationally exposed to the fungicide captan. Occupational and Environmental Medicine 60 (12):910-917.	1	
IIA 5.10	Lee CH, Shih CP, Hsu KH, Hung DZ, Lin CC	2008	The early prognostic factors of glyphosate-surfactant intoxication. Am J Emerg Med 26 (3):275-81. DOI: 10.1016/j.ajem.2007.05.011.	1	
IIA 5.10	Lee HL, Guo HR	2011	The hemodynamic effects of the formulation of glyphosate-surfactant herbicides. In Herbicides, Theory and Applications, edited by S. Soloneski and M. L. Larramendy. Croatia. InTech. pp 545-566.	1	
IIA 5.10	Lee HL, Kan CD, Tsai CL, Liou MJ, Guo HR	2009	Comparative effects of the formulation of glyphosate-surfactant herbicides on hemodynamics in swine. Clin Toxicol (Phila) 47 (7):651-8. DOI: 10.1080/15563650903158862.	1	
IIA 5.10	Lee WJ, Colt JS, Heineman EF, McComb R, Weisenburger DD, Lijinsky W, Ward MH	2005	Agricultural pesticide use and risk of glioma in Nebraska, United States. Occupational and Environmental Medicine 62 (11):- . DOI 10.1136/oem.2005.020230.	2	
IIA 5.10	Lee WJ, Lijinsky W, Heineman EF, Markin RS, Weisenburger DD, Ward MH	2004	Agricultural pesticide use and adenocarcinomas of the stomach and oesophagus. Occupational and Environmental Medicine 61 (9):743-749. DOI 10.1136/oem.2003.011858.	1	
IIA 5.10	Levine SL, Han Z, Liu J, Farmer DR, Papadopoulos V	2007	Disrupting mitochondrial function with surfactants inhibits MA-10 Leydig cell steroidogenesis. Cell Biol Toxicol 23 (6):385-400. DOI: 10.1007/s10565-007-9001-6.	1	



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IIA 5.10	Love BJ, Einheuser MD, Nejadhashemi AP	2011	Effects on aquatic and human health due to large scale bioenergy crop expansion. Science of the Total Environment 409 (17):3215-3229. doi: 10.1016/j.scitotenv.2011.05.007.	1	
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IIA 5.10	Machado Neto JG, Machado RF	2007	Evaluation of Herbicide Application Using Backpack Sprayers for Post-Emergence Weed Control in Sugar Cane Crop and Safe Work Conditions. Planta Daninha 25 (4):877-887	1	
IIA 5.10	Mage DT	2006	Suggested corrections to the Farm Family Exposure Study. Environmental Health Perspectives 114 (11): A633	1 E	K
IIA 5.10	Malatesta M, Perdomi P, Santin G, Battistelli S, Muller S, Biggiogera M	2008	Hepatoma tissue culture (HTC) cells as a model for investigating the effects of low concentrations of herbicide on cell structure and function. Toxicol In Vitro 22 (8):1853-60. DOI: 10.1016/j.tiv.2008.09.006.	2	
IIA 5.10	Malhotra RC, Ghia DK, Cordato DJ, Beran RG	2010	Glyphosate-surfactant herbicide-induced reversible encephalopathy. J Clin Neurosci 17 (11):1472-3. DOI: 10.1016/j.jocn.2010.02.026.	1	
IIA 5.10	Manas F, Peralta L, Raviolo J, Ovando HG, Weyers A, Ugnia L, Cid MG, Larripa I, Gorla N	2009	Genotoxicity of AMPA, the environmental metabolite of glyphosate, assessed by the Comet assay and cytogenetic tests. Ecotoxicology and Environmental Safety 72 (3):834-837. DOI 10.1016/j.ecoenv.2008.09.019.	2 E	K
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IIA 5.10	Mandel JS, Alexander BH, Baker BA, Acquavella JF, Chapman P, Honeycutt R	2005	Biomonitoring for farm families in the farm family exposure study. Scand J Work Environ Health 31 Suppl 1:98-104; discussion 63-5	1	
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IIA 5.10	Marc J, Mulner-Lorillon O, Belle R	2004	Glyphosate-based pesticides affect cell cycle regulation. Biology of the Cell 96 (3):245-249. DOI 10.1016/j.biocel.2003.11.010.	3 E	K
IIA 5.10	Marc J, Mulner-Lorillon O, Durand G, Belle R	2003	Embryonic cell cycle for risk assessment of pesticides at the molecular level. Environmental Chemistry Letters 1 (1):8-12. DOI 10.1007/s10311-002-0015-2.	3	K
IIA 5.10	Martinez A, Reyes I, Reyes N	2007	[Cytotoxicity of the herbicide glyphosate in human peripheral blood mononuclear cells]. Biomedica 27 (4):594-604	1	
IIA 5.10 Also listed under IIA 8.16	McCoy KA, Borthick LJ, Campbell CM, Hamlin HJ, Guillette LJ, Sr Mary CM	2008	Agriculture alters gonadal form and function in the toad Bufo marinus. Environ Health Perspect 116 (11):1526-32. DOI: 10.1289/ehp.11536.	1	
IIA 5.10 Also listed under IIA 8.16	McDaniel TV, Martin PA, Struger J, Sherry J, Marvin CH, McMaster ME, Clarence S, Tetreault G	2008	Potential endocrine disruption of sexual development in free ranging male northern leopard frogs (Rana pipiens) and green frogs (Rana clamitans) from areas of intensive row crop agriculture. Aquat Toxicol 88 (4):230-42. DOI: 10.1016/j.aquatox.2008.05.002.	1	
IIA 5.10	McDuffie HH, Pahwa P, McLaughlin JR, Spinelli JJ, Fincham S, Dosman JA, Robson D, Skinnider LF, Choi NW	2001	Non-Hodgkin's lymphoma and specific pesticide exposures in men: cross-Canada study of pesticides and health. Cancer Epidemiol Biomarkers Prev 10 (11):1155-63	1	
IIA 5.10	McQueen H, Callan AC, Hinwood AL	2012	Estimating maternal and prenatal exposure to glyphosate in the community setting. International Journal of Hygiene and Environmental Health. DOI: 10.1016/j.ijheh.2011.12.002.	1	

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IIA 5.10 Also listed under IIA 8.16	Menendez-Helman RJ, Ferreyroa GV, dos Santos Afonso M, Salibian A	2012	Glyphosate as an Acetylcholinesterase Inhibitor in <i>Cnesterodon decemmaculatus</i> . Bulletin of Environmental Contamination and Toxicology 88 (1):6-9. doi: 10.1007/s00128-011-0423-8.	2	
IIA 5.10	Mesnage R, Clair E, Gress S, Then C, Székács A, Séralini GE	2012	Cytotoxicity on human cells of Cry1Ab and Cry1Ac Bt insecticidal toxins alone or with a glyphosate-based herbicide. Journal of Applied Toxicology:n/a-n/a. DOI: 10.1002/jat.2712	3	K
IIA 5.10	Meulenberg EP	2002	A new test to identify endocrine disruptors using sex hormone-binding globulins from human serum. European Journal of Lipid Science and Technology 104 (2):131-136	1	
IIA 5.10	Miligi L, Costantini AS, Bolejack V, Veraldi A, Benvenuti A, Nanni O, Ramazzotti V, Tumino R, Stagnaro E, Rodella S, Fontana A, Vindigni C, Vineis P	2003	Non-Hodgkin's lymphoma, leukemia, and exposures in agriculture: Results from the Italian multicenter case-control study. American Journal of Industrial Medicine 44 (6):627-636. Doi 10.1002/Ajim.10289.	1	
IIA 5.10	Mills KT, Blair A, Freeman LEB, Sandler DP, Hoppin JA	2009	Pesticides and Myocardial Infarction Incidence and Mortality Among Male Pesticide Applicators in the Agricultural Health Study. American Journal of Epidemiology 170 (7):892-900. Doi 10.1093/Aje/Kwp214.	1	
IIA 5.10	Mink PJ, Mandel JS, Lundin JI, Scurman BK	2011	Epidemiologic studies of glyphosate and non-cancer health outcomes: A review. Regulatory Toxicology and Pharmacology 61 (2):172-184. doi: 10.1016/j.yrtph.2011.07.006.	1	
IIA 5.10	Mitsuse M, Hatano Y, Endo Y, Kuroki Y, Fukuya C, Shirakawa Y, Yoshioka T	2011	Japan Poison Information Center: An Epidemiological Analysis of Cases of Acute Glyphosate Poisoning. Jpn. J. Clin. Toxicol. 24:69-72	1	
IIA 5.10	Mladinic M, Berend S, Vrdoljak AL, Kopjar N, Radic B, Zeljezic D	2009	Evaluation of genome damage and its relation to oxidative stress induced by glyphosate in human lymphocytes in vitro. Environmental and Molecular Mutagenesis 50 (9):800-807. DOI: 10.1002/em.20495.	3	K

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IIA 5.10	Momesso JC, Machado Neto JG	2003	Effects of herbicide spraying period and volume on the safety of tractor drivers spraying herbicides on sugarcane (Saccharum spp.) crop. Planta Daninha 21 (3):467-478	1	
IIA 5.10	Monge P, Wesseling C, Guardado J, Lundberg I, Ahlbom A, Cantor KP, Weideroass E, Partanen T	2007	Parental occupational exposure to pesticides and the risk of childhood leukemia in Costa Rica. Scandinavian Journal of Work Environment & Health 33 (4):293-303	1	
IIA 5.10	Monroy CM, Cortes AC, Sicard DM, de Restrepo HG	2005	Cytotoxicity and genotoxicity of human cells exposed in vitro to glyphosate. Biomedica 25:335-345	2	
IIA 5.10	Montgomery MP, Kamel F, Saldana TM, Alavanja MC, Sandler DP	2008	Incident diabetes and pesticide exposure among licensed pesticide applicators: Agricultural Health Study, 1993-2003. Am J Epidemiol 167 (10):1235-46. DOI: 10.1093/aje/kwn028.	1	
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IIA 5.10	Moon JM, Il Min Y, Chun BJ	2006	Can early hemodialysis affect the outcome of the ingestion of glyphosate herbicide? Clinical Toxicology 44 (3):329-332. Doi 10.1080/15563650600584550.	1	
IIA 5.10	Mose T, Kjaerstad MB, Mathiesen L, Nielsen JB, Edelfors Sn, Knudsen LE	2008	Placental passage of benzoic acid, caffeine, and glyphosate in an ex vivo human perfusion system. Journal of Toxicology and Environmental Health-Part a-Current Issues 71 (15):984-991. doi: 10.1080/01932690801934513.	1	

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IIA 5.10	Mulet JM	2011	Letter to the Editor Regarding the Article by Paganelli et al. Chemical Research in Toxicology 24 (5):609-609. doi: 10.1021/tx200077h.	3	K
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IIA 5.10	Nagami H, Nishigaki Y, Matsushima S, Matsushita T, Asanuma S, Yajima N, Usuda M, Hirose M	2005	Hospital-based survey of pesticide poisoning in Japan, 1998--2002. Int J Occup Environ Health 11 (2):180-4.	1	
IIA 5.10	Nakashima K, Yoshimura T, Mori H, Kawaguchi M, Adachi S, Nakao T, Yamazaki F	2002	[Effects of pesticides on cytokines production by human peripheral blood mononuclear cells--fenitrothion and glyphosate]. Chudoku Kenkyu 15 (2):159-65	1	
IIA 5.10	Naydenova E, Froev K, Topashka-Ancheva M, Hagele G, Ivanov I, Kril A	2007	Synthesis, cytotoxicity and clastogenicity of novel alpha-aminophosphonic acids. Amino Acids 33 (4):695-702. DOI: 10.1007/s00726-006-0459-y.	1	
IIA 5.10	Ndong JR, Blanchet P, Multigner L	2009	Pesticides and prostate cancer: epidemiological data. Bulletin Du Cancer 96 (2):171-180. doi: 10.1684/bdc.2008.0812.	1	
IIA 5.10 Also listed under IIA 8.16	Negga R, Rudd DA, Davis NS, Justice AN, Hatfield HE, Valente AL, Fields AS, Fitsanakis VA	2011	Exposure to Mn/Zn ethylene-bis-dithiocarbamate and glyphosate pesticides leads to neurodegeneration in Caenorhabditis elegans. NeuroToxicology 32 (3):331-341. DOI: 10.1016/j.neuro.2011.02.002.	3 (5.10) 1 (8.16)	
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IIA 5.10	Okubo T, Miyazaki E, Hata M, Ando M, Nureki S, Yoshimatsu T, Ito K, Kumamoto T	2009	Acute respiratory distress due to PL granule-induced pneumonitis which was difficult to discriminate from toxic pneumonitis after exposure to herbicide, Glyphosate. Japanese Journal of Chest Diseases [Nihon kyobu rinsho] 68 (1):60-67	1	
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IIA 5.10	Paganelli A, Gnazzo V, Acosta H, Lopez SL, Carrasco AE	2010	Glyphosate-Based Herbicides Produce Teratogenic Effects on Vertebrates by Impairing Retinoic Acid Signaling. Chem Res Toxicol 23 (10): 1586-1595. DOI: 10.1021/tx1001749.	3 E	K



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IIA 5.10	Palli E, Makris D, Diakaki C, Garoufalos G, Zakyntinos E	2011	Rapture of the large intestine caused by severe oral glyphosate-surfactant intoxication. The American Journal of Emergency Medicine 29(4):459-460. DOI: 10.1016/j.ajem.2010.12.002.	1	
IIA 5.10	Palma G	2011	Letter to the Editor Regarding the Article by Paganelli et al. Chemical Research in Toxicology 24(6):775-776. doi: 10.1021/tx200086y	3	K
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IIA 5.10	Pieniazek D, Bukowska B, Duda W	2003	[Glyphosate--a non-toxic pesticide?]. Med Pr 54 (6):579-83	1	
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IIA 5.10 Also listed under IIA 8.16	Poletta GL, Larriera A, Kleinsorge E, Mudry MD	2009	Genotoxicity of the herbicide formulation Roundup (R) (glyphosate) in broad-snouted caiman (Caiman latirostris) evidenced by the Comet assay and the Micronucleus test. Mutation Research-Genetic Toxicology and Environmental Mutagenesis 672 (2):95-102. DOI 10.1016/j.mrgentox.2008.10.007.	3 (8.16) 2 (5.10)	K
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IIA 5.10	Ptok M	2009	Dysphonia following glyphosate exposition. HNO 57 (11):1197-1201. DOI: 10.1007/s00106-009-1962-8.	2	
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IIA 5.10	Richard S, Moslemi S, Sipahutar H, Benachour N, Seralini GE	2005	Differential effects of glyphosate and roundup on human placental cells and aromatase. Environmental Health Perspectives 113 (6):716-720	3 E	K
IIA 5.10	Roberts DM, Buckley NA, Mohamed F, Eddleston M, Goldstein DA, Mehrsheikh A, Blecke MS, Dawson AH	2010	A prospective observational study of the clinical toxicology of glyphosate-containing herbicides in adults with acute self-poisoning. Clin Toxicol (Phila) 48 (2):129-36. DOI: 10.3109/15563650903476491.	1	
IIA 5.10	Rodrigues HG, Penha-Silva N, Araujo MFP, Nishijo H, Aversi-Ferreira TA	2011	Effects of Roundup Pesticide on the Stability of Human Erythrocyte Membranes and Micronuclei Frequency in Bone Marrow Cells of Swiss Mice. Open Biology Journal (4):54-59	3	K
IIA 5.10	Romano M, Romano R, Santos L, Wisniewski P, Campos D, de Souza P, Viau P, Bernardi M, Nunes M, de Oliveira C	2012	Glyphosate impairs male offspring reproductive development by disrupting gonadotropin expression. Archives of Toxicology 86 (4): 663-673. DOI: 10.1007/s00204-011-0788-9.	3	K

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IIA 5.10	Ruan QL, Ju JJ, Li YH, Liu R, Pu YP, Yin LH, Wang DY	2009	Evaluation of pesticide toxicities with differing mechanisms using Caenorhabditis elegans. J Toxicol Environ Health A 72 (11):746-51. 10.1080/15287390902841532.	1	
IIA 5.10	Sakazaki H, Ueno H, Umetani R, Utsumi H, Nakamuro K	2001	Immunotoxicological evaluation of environmental chemicals utilizing mouse lymphocyte mitogenesis test. Journal of Health Science 47(3): 258-271.	1	
IIA 5.10	Saltmiras D, Bus JS, Spanogle T, Hauswirth J, Tobia A, Hill S	2011	Letter to the Editor Regarding the Article by Paganelli et al. Chemical Research in Toxicology 24(5):607-608. doi: 10.1021/tx100452k.	3 E	K
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IIA 5.10	Sampogna RV, Cunard R	2007	Roundup intoxication and a rationale for treatment. Clin Nephrol 68 (3): 190-6	1	
IIA 5.10	Samin LH, Carrasquilla G, Solomon KR, Cole DC, Marshall EJP	2009	Regional Differences in Time to Pregnancy Among Fertile Women from Five Colombian Regions with Different use of Glyphosate. Journal of Toxicology and Environmental Health-Part a-Current Issues 72 (15-16): 949-960. Doi 10.1080/15287390902929691.	2	
IIA 5.10	Sathyanarayana S, Basso O, Karr CJ, Lozano P, Alavanja M, Sandler DP, Hoppin JA	2010	Maternal pesticide use and birth weight in the agricultural health study. J Agromedicine 15 (2):127-36. DOI: 10.1080/10599241003622699.	1	
IIA 5.10	Sato C, Kamijo Y, Yoshimura K, Ide T	2011	Aseptic meningitis in association with glyphosate-surfactant herbicide poisoning. Clinical Toxicology 49 (2):118-120. doi: 10.3109/15563650.2011.552065.	1	



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IIA 5.10	Savitz DA, Arbuckle T, Kaczor D, Curtis KM	1997	Male pesticide exposure and pregnancy outcome. American Journal of Epidemiology 146 (12):1025-1036	E	K
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IIA 5.10	Settimi L, Davanzo F, Travaglia A, Locatelli C, Cilento I, Volpe C, Russo A, Miceli G, Fracassi A, Maiozzi P, Marcello I, Sesan F, Urbani E	2007	Italian Program for Surveillance of Acute Pesticide-Related Illnesses: cases identified in 2005. Giornale italiano di medicina del lavoro ed ergonomia 29 (3 Suppl):264-266	1	
IIA 5.10	Shaham J, Kaufman Z, Gurvich R, Levi Z	2001	Frequency of sister-chromatid exchange among greenhouse farmers exposed to pesticides. Mutat Res 491 (1-2):71-80	1	
IIA 5.10	Shaner DL	2004	Herbicide safety relative to common targets in plants and mammals. Pest Management Science 60 (1):17-24. Doi 10.1002/Ps.782.	1	
IIA 5.10	Shoji R, Miyazaki T, Nishimiya T	2003	Estimation of cytotoxicity to HEP-G2 cells of 255 environmental pollutants and water using QSAR (Quantitative Structure-Activity Relationship). Journal of Environmental Science and Health Part a-Toxic/Hazardous Substances & Environmental Engineering 38 (12):2807-2823. Doi 10.1081/Ese-120025832.	1	
IIA 5.10	Siddiqui S, Meghvansi M, Khan S	2012	Glyphosate, Alachor and Maleic Hydrazide have Genotoxic Effect on Trigonella foenum-graecum L. Bulletin of Environmental Contamination and Toxicology 88 (5):659-665. DOI: 10.1007/s00128-012-0570-6.	2	
IIA 5.10	Sivikova K, Dianovsky J	2006	Cytogenetic effect of technical glyphosate on cultivated bovine peripheral lymphocytes. Int J Hyg Environ Health 209 (1):15-20. DOI: 10.1016/j.ijheh.2005.07.005.	2	

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IIA 5.10	Slager RE, Poole JA, LeVan TD, Sandler DP, Alavanja MCR, Hoppin JA	2009	Rhinitis associated with pesticide exposure among commercial pesticide applicators in the Agricultural Health Study. Occupational and Environmental Medicine 66 (11):718-724. DOI: 10.1136/oem.2008.041798.		
IIA 5.10	Slager RE, Simpson SL, LeVan TD, Poole JA, Sandler DP, Hoppin JA	2010	Rhinitis Associated with Pesticide Use Among Private Pesticide Applicators in the Agricultural Health Study. Journal of Toxicology and Environmental Health Part A 73 (20):1382-1393. DOI: 10.1080/15287394.2010.497443.	1	
IIA 5.10	Snelder DJ, Masipiquena MD, de Snoo GR	2008	Risk assessment of pesticide usage by smallholder farmers in the Cagayan Valley (Philippines). Crop Protection 27 (3-5):747-762. DOI 10.1016/j.cropro.2007.10.011.	1	
IIA 5.10 Also listed under IIA 8.16	Solomon K, R., Anadón A, Brain Richard A, Cerdeira Antonio L, Crossan Angus N, Marshall J, Sanin L-H, Smith L	2007	Comparative Hazard Assessment of the Substances Used for Production and Control of Coca and Poppy in Colombia. In Rational Environmental Management of Agrochemicals. American Chemical Society. Chapter 6. pp 87-99. doi:10.1021/bk-2007-0966.ch006.	1	
IIA 5.10 Also listed under IIA 8.16	Solomon KR, Anadon A, Carrasquilla G, Cerdeira AL, Marshall J, Sanin DH	2007	Coca and poppy eradication in Colombia: environmental and human health assessment of aerially applied glyphosate. Rev Environ Contam Toxicol 190:43-125	3 (8.16) 1 (5.10)	
IIA 5.10	Song H-Y, Kim Y-H, Seok S-J, Gil H-W, Yang J-O, Lee E-Y, Hong S-Y	2012	Cellular Toxicity of Surfactants Used as Herbicide Additives. Journal of Korean Medical Science 27 (1):3-9. DOI: 10.3346/jkms.2012.27.1.3.	1	
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IIA 5.10	Swaen GMH, van Amelsvoort LGPM, Slangen JJM, Mohren DCL	2004	Cancer mortality in a cohort of licensed herbicide applicators. International Archives of Occupational and Environmental Health 77 (4): 293-295. DOI 10.1007/s00420-004-0503-8.		
IIA 5.10	Taponen J, Pulkkanen P, Saastamoinen I, Saloniemi H	2002	Grazing On Pastures Treated With Glyphosate: Influence On Bovine Reproduction Suomen Eläinlääkärilehti 108 (6):332-336.	1	
IIA 5.10	Valcin M, Henneberger PK, Kullman GJ, Umbach DM, London SJ, Alavanja MC, Sandler DP, Hoppin JA	2007	Chronic bronchitis among nonsmoking farm women in the agricultural health study. J Occup Environ Med 49 (5):574-83. DOI: 10.1097/JOM.0b013e3180577768.	1	
IIA 5.10	Vasiluk L, Pinto LJ, Moore MM	2005	Oral bioavailability of glyphosate: Studies using two intestinal cell lines. Environmental Toxicology and Chemistry 24 (1):153-160	1	
IIA 5.10	Vigfusson NV, Vyse BR	1980	The effect of the pesticides Dexon, Captan and Roundup on sister chromatid exchanges in human lymphocytes in-vitro. Mutation Research 79 (1):53-57. doi: 10.1016/0165-1218(80)90147-0.	E	K
IIA 5.10	Vlastos D, Stivaktakis P, Matthopoulos DP	2006	Pesticide exposure and genotoxicity correlations within a Greek farmers group. International Journal of Environmental Analytical Chemistry 86 (3-4):215-223. Doi 10.1080/03067310500247710.	1	
IIA 5.10	Walsh LP, McCormick C, Martin C, Stoeco DM	2000	Roundup inhibits steroidogenesis by disrupting steroidogenic acute regulatory (StAR) protein expression. Environmental Health Perspectives 108 (8):769-776. doi: 10.1289/ehp.00108769.	E	K
IIA 5.10	Wang G, Fan XN, Tan YY, Cheng Q, Chen SD	2011	Parkinsonism after chronic occupational exposure to glyphosate. Parkinsonism & Related Disorders 17 (6):486-487. doi: 10.1016/j.parkreldis.2011.02.003.	2	

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Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluat ion / Transla tion
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