

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

Ecotoxicology

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 Bleeker 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

Section 6 - Ecotoxicology

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Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evalu ation / Translat ion
IIA 8.16	Abrantes N, Pereira R, de Figueiredo DR, Marques CR, Pereira MJ, Goncalves F	2009	A Whole Sample Toxicity Assessment to Evaluate the Sub-Lethal Toxicity of Water and Sediment Elutriates from a Lake Exposed to Diffuse Pollution. Environmental Toxicology 24 (3):259-270 DOI: 10.1002/Tox.20428.	1	
IIA 8.16	Accinelli C, Screpanti C, Dinelli G, Vicari A	2002	Short-time effects of pure and formulated herbicides on soil microbial activity and biomass. International Journal of Environmental Analytical Chemistry 82 (8-9):519-527. DOI: 10.1080/03067310290009514.	1	
IIA 8.16	Achiorno CL, de Villalobos C, Ferrari L	2008	Toxicity of the herbicide glyphosate to Chordodes nobilis (Gordida, Nematomorpha). Chemosphere 71 (10):1816-1822. DOI: 10.1016/j.chemosphere.2008.02.001.	3	K
IIA 8.16	Addison PJ, Barker GM	2006	Effect of various pesticides on the non-target species Microctonus hyperodae, a biological control agent of Listronotus bonariensis. Entomologia Experimentalis Et Applicata 119 (1):71-79	1	
IIA 8.16	Ahmed M, Khan MS	2011	Ecotoxicological assessment of pesticides towards the plant growth promoting activities of Lentil (<i>Lensesculentus</i>)-specific <i>Rhizobium</i> sp. strain MRL3 Ecotoxicology 20 (4):661-669. DOI: 10.1007/s10646-011-0606-4.	1	
IIA 8.16	Ahmed M, Khan MS	2011	Effect of Pesticides on Plant Growth Promoting Traits of Greengram-Symbiont, <i>Bradyrhizobium</i> sp. strain MRM6 Bulletin of Environmental Contamination and Toxicology 86 (4):384-388. doi: 10.1007/s00128-011-0231-1.	1	
IIA 8.16	Ahmed M, Khan MS	2012	Effects of pesticides on plant growth promoting traits of Mesorhizobium strain MRC4. Journal of the Saudi Society of Agricultural Sciences 11 (1):63-71. doi: 10.1016/j.jssas.2011.10.001.	1	

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IIA 8.16	Ahemad M, Khan MS	2011	Toxicological assessment of selective pesticides towards plant growth promoting activities of phosphate solubilizing <i>Pseudomonas aeruginosa</i> . <i>Acta Microbiologica et Immunologica Hungarica</i> 58 (3): 169-187. doi: 10.1556/AMicr.58.2011.3.1.	1	
IIA 8.16	Ahemad M, Khan MS	2011	Toxicological Effects of Selective Herbicides on Plant Growth Promoting Activities of Phosphate Solubilizing <i>Klebsiella</i> sp. Strain PS19. <i>Current Microbiology</i> 62 (2):532-538. doi: 10.1007/s00284-010-9740-0,	1	
IIA 8.16	Ainsworth N	2003	Integration of herbicides with arthropod biocontrol agents for weed control. <i>Biocontrol Science and Technology</i> 13 (6):547-570. doi: 10.1080/0958315031000151819	1	
IIA 8.16 Also listed under IIA 5.10	Akcha F, Spagnol C, Rouxel J	2012	Genotoxicity of diuron and glyphosate in oyster spermatozoa and embryos. <i>Aquatic toxicology</i> (Amsterdam, Netherlands) 106-107:104-13. doi:10.1016/j.aquatox.2011.10.018.	1	
IIA 8.16	Albajes R, Lumbierres B, Pons X	2011	Two heteropteran predators in relation to weed management in herbicide-tolerant corn. <i>Biological Control</i> 59 (1):30-36. DOI 10.1016/j.biocontrol.2011.03.008.	1	
IIA 8.16	Ali MI, Gharieb MM, El-Shoura AA	2002	The Effect Of Copper Oxychloride Fungicide or Glyphosate Herbicide On Gypsum Solubilization Activity Of Certain Soil Fungi. <i>African Journal of Mycology and Biotechnology</i> 11 (1):A207-A224	1	
IIA 8.16	Al-Khatib K, Claassen MM, Stahlman PW, Geier PW, Regehr DL, Duncan SR, Heer WF	2003	Grain sorghum response to simulated drift from glufosinate, glyphosate, imazethapyr, and sethoxydim. <i>Weed Technology</i> 17 (2): 261-265	1	
IIA 8.16 Also listed under IIA 5.10	Alvarez-Moya C, Silva MR, Arambula ARV, Sandoval AI, Vasquez HC, Montes RMG	2011	Evaluation of genetic damage induced by glyphosate isopropylamine salt using <i>Tradescantia</i> bioassays. <i>Genetics and Molecular Biology</i> 34 (1):127-130	3 (8.16) 2 (5.10)	K

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evalu ation / Transl ation
IIA 8.16	Amoros I, Alonso JL, Romaguera S, Carrasco JM	2007	Assessment of toxicity of a glyphosate-based formulation using bacterial systems in lake water. Chemosphere 67 (11):2221-2228. DOI 10.1016/j.chemosphere.2006.12.020.	2	
IIA 8.16	Anderson JA, Kolmer JA	2005	Rust control in glyphosate tolerant wheat following application of the herbicide glyphosate. Plant Disease 89 (11):1136-1142. Doi 10.1094/Pd-89-1136.	1	
IIA 8.16 Also listed under IIA 7.13	Andréa MM, Papini S, Peres TB, Bazarin S, Savoy VLT, Matallo MB	2004	Glyphosate: influence on the soil bioactivity and action of earthworms on its soil dissipation. Planta Daninha 22:95-100. DOI 10.1590/S0100-83582004000100012.	1	
IIA 8.16	Antunes SC, Pereira JL, Cachada A, Duarte AC, Goncalves F, Sousa JP, Pereira R	2010	Structural effects of the bioavailable fraction of pesticides in soil: Suitability of elutriate testing. Journal of Hazardous Materials 184 (1-3):215-225. DOI 10.1016/j.jhazmat.2010.08.025.	1	
IIA 8.16	Araujo ASF, Monteiro RTR, Abarkeli RB	2003	Effect of glyphosate on the microbial activity of two Brazilian soils. Chemosphere 52 (5):799-804. Doi 10.1016/S0045-6535(03)00266-2.	1	
IIA 8.16	Arifarita N, Imai T, Kanno A, Higuchi T, Yamamoto K, Sekine M	2011	Screening of Soil-Born Fungi from Forest Soil Using Glyphosate Herbicide as the Sole Source of Phosphorus. Journal of Water and Environment Technology 9 (4):391-400. doi: 10.2965/jwet.2011.391.	1	
IIA 8.16	Ayoola SO	2008	Histopathological Effects of Glyphosate on Juvenile African Catfish (<i>Clarias gariepinus</i>). American-Eurasian J. Agric. & Environ. Sci. 4 (3):362-367	2	
IIA 8.16	Ayoola SO	2008	Toxicity of glyphosate herbicide on Nile tilapia (<i>Oreochromis niloticus</i>) juvenile. African Journal of Agricultural Research 3 (12): 825-834	2	
IIA 8.16	Babiker EM, Hulbert SH, Schroeder KL, Paulitz TC	2011	Optimum Timing of Preplant Applications of Glyphosate to Manage Rhizoctonia Root Rot in Barley. Plant Disease 95 (3):304-310. doi: 10.1094/pdis-05-10-0354.	2	

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IIA 8.16	Baley GJ, Campbell KG, Yenish J, Kidwell KK, Paulitz TC	2009	Influence of glyphosate, crop volunteer and root pathogens on glyphosate-resistant wheat under controlled environmental conditions. Pest Manag Sci 65 (3):288-99. DOI: 10.1002/ps.1687.	1	
IIA 8.16	Barbukho OV, Zhydenko AO	2011	Effect of Herbicide "Roundup" on Viability of the Carp Eggs and Possibility of Profylaxis of its Toxic Impact by Probiotic Preparations BPS-44. Hydrobiological Journal 47 (5):72-76. doi: 10.1615/HydrobJ.v47.i5.70.	1	
IIA 8.16	Barriuso J, Marin S, Mellado RP	2011	Potential Accumulative Effect of the Herbicide Glyphosate on Glyphosate-Tolerant Maize Rhizobacterial Communities over a Three-Year Cultivation Period. Plos One 6 (11):e27558. doi:10.1371/journal.pone.0027558.	1	
IIA 8.16	Barriuso J, Marin S, Mellado RP	2010	Effect of the herbicide glyphosate on glyphosate-tolerant maize rhizobacterial communities: a comparison with pre-emergency applied herbicide consisting of a combination of acetochlor and terbutylazine. Environ Microbiol 12 (4):1021-30. DOI: 10.1111/j.1462-2920.2009.02146.x.	2	
IIA 8.16	Barriuso J, Mellado RP	2012	Relative Effect of Glyphosate on Glyphosate-Tolerant Maize Rhizobacterial Communities is Not Altered by Soil Properties. J. Microbiol. Biotechnol. 22 (2):159-165. DOI: 10.4014/jmb.1107.07036.	1	
IIA 8.16	Barriuso J, Valverde JR, Mellado RP	2011	Effect of the Herbicide Glyphosate on the Culturable Fraction of Glyphosate-tolerant Maize Rhizobacterial Communities Using Two Different Growth Media. Microbes and Environments 26 (4):332-338. doi: 10.1264/jsme2.ME11137.	1	
IIA 8.16	Benamu MA, Schneider MI, Sanchez NE	2010	Effects of the herbicide glyphosate on biological attributes of <i>Alpaida veniliae</i> (Araneae, Araneidae), in laboratory. Chemosphere 78 (7): 871-6. DOI: 10.1016/j.chemosphere.2009.11.027.	3	K

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IIA 8.16	Bennicelli RP, Szafranek-Nakonieczna A, Wolinska A, Stepniewska Z, Bogudzinska M	2009	Influence of pesticide (glyphosate) on dehydrogenase activity, pH, Eh and gases production in soil (laboratory conditions). International Agrophysics 23 (2):117-122	2	
IIA 8.16	Bernal MH, Solomon KR, Carrasquilla G	2009	Toxicity of formulated glyphosate (glyphos) and cosmo-flux to larval and juvenile colombian frogs 2. Field and laboratory microcosm acute toxicity. J Toxicol Environ Health A 72 (15):966-73. DOI: 10.1080/15287390902929717.	1	
IIA 8.16	Bernal MH, Solomon KR, Carrasquilla G	2009	Toxicity of formulated glyphosate (glyphos) and cosmo-flux to larval Colombian frogs 1: Laboratory acute toxicity. J Toxicol Environ Health A 72 (15):961-5. DOI: 10.1080/15287390902929709.	1	
IIA 8.16	Bernard MB, Cole P, Kobelt A, Horne PA, Altmann J, Wratten SD, Yen AL	2010	Reducing the Impact of Pesticides on Biological Control in Australian Vineyards: Pesticide Mortality and Fecundity Effects on an Indicator Species, the Predatory Mite <i>Euseius victoriensis</i> (Acari: Phytoseiidae). Journal of Economic Entomology 103 (6):2061-2071. Doi 10.1603/Ec09357.	2	
IIA 8.16	Bérubé M-E, Vanasse A, Rioux S, Bourget N, Dion Y, Tremblay G	2012	Effect of Glyphosate on Fusarium Head Blight in Wheat and Barley Under Different Soil Tillages. Plant Disease 96 (3):338-344. DOI: 10.1094/pdis-04-11-0297.	1	
IIA 8.16	Blackburn LG, Boutin C	2003	Subtle effects of herbicide use in the context of genetically modified crops: A case study with glyphosate (Roundup (R)). Ecotoxicology 12 (1-4):271-285	3	K
IIA 8.16	Blazier MA, Hennessey TC, Deng SP	2005	Effects of fertilization and vegetation control on microbial biomass carbon and dehydrogenase activity in a juvenile loblolly pine plantation. Forest Science 51 (5):449-459	1	

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evalu ation / Transl ation
IIA 8.16	Bohm GMB, Alves BJR, Urquiaga S, Boddey RM, Xavier GR, Hax F, Rombaldi CV	2009	Glyphosate- and imazethapyr-induced effects on yield, nodule mass and biological nitrogen fixation in field-grown glyphosate-resistant soybean. <i>Soil Biology & Biochemistry</i> 41 (2):420-422. DOI 10.1016/j.soilbio.2008.11.002.	2	
IIA 8.16	Bohm GMB, Scheneider L, Castilhos D, Agostinetto D, Rombaldi CV	2011	Weed control, biomass and microbial metabolism of soil depending on the application of glyphosate and imazethapyr on crop soybeans. <i>Semina: Ciencias Agrarias</i> (Londrina) 32 (3):919-930	1	
IIA 8.16	Botelho AAA, Monteiro AC	2011	Sensitivity of entomopathogenic fungi to pesticides used in management of sugarcane. <i>Bragantia</i> 70 (2):361-369	1	
IIA 8.16	Boutin C, Elmgaard N, Kjaer C	2004	Toxicity testing of fifteen non-crop plant species with six herbicides in a greenhouse experiment: Implications for risk assessment. <i>Ecotoxicology</i> 13 (4):349-369	3	K
IIA 8.16	Boutin C, White AL, Carpenter D	2010	Measuring variability in phytotoxicity testing using crop and wild plant species. <i>Environmental Toxicology and Chemistry</i> 29 (2):327-337. DOI: 10.1002/etc.30.	3	K
IIA 8.16	Brain RA, Solomon KR	2009	Comparison of the hazards posed to amphibians by the glyphosate spray control program versus the chemical and physical activities of coca production in Colombia. <i>J Toxicol Environ Health A</i> 72 (15): 937-48. DOI: 10.1080/15287390902929683.	1	
IIA 8.16	Brausch JM, Beall B, Smith PN	2007	Acute and sub-lethal toxicity of three POEA surfactant formulations to <i>Daphnia magna</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> 78 (6):510-514. DOI 10.1007/s00128-007-9091-0.	3	K
IIA 8.16	Brausch JM, Cox S, Smith PN	2006	Pesticide usage on the Southern High Plains and acute toxicity of four chemicals to the fairy shrimp <i>Thamnocephalus platyurus</i> (Crustacea: Anostraca). <i>The Texas Journal of Science</i> 58 (4):309-324	3	K

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evalu ation / Translat ion
IIA 8.16	Brausch JM, Smith PN	2007	Toxicity of three polyethoxylated tallowamine surfactant formulations to laboratory and field collected fairy shrimp, <i>Thamnocephalus platyurus</i> . <i>Archives of Environmental Contamination and Toxicology</i> 52 (2):217-221. DOI 10.1007/s00244-006-0151-y.	3	K
IIA 8.16	Bringolf RB, Cope WG, Mosher S, Barnhart MC, Shea D	2007	Acute and chronic toxicity of glyphosate compounds to glochidia and juveniles of <i>Lampsilis siliquoidea</i> (Unionidae). <i>Environ Toxicol Chem</i> 26 (10):2094-100. DOI: 10.1897/06-519R1.1.	3	K
IIA 8.16	Brodman R, Newman WD, Laurie K, Osterfeld S, Lenzo N	2010	Interaction of an Aquatic Herbicide and Predatory Salamander Density on Wetland Communities. <i>Journal of Herpetology</i> 44 (1):69-82	3	K
IIA 8.16	Brown LR, Robinson DE, Young BG, Loux MM, Johnson WG, Nurse RE, Swanton CJ, Sikkema PH	2009	Response of Corn to Simulated Glyphosate Drift Followed by In-Crop Herbicides. <i>Weed Technology</i> 23 (1):11-16. Doi 10.1614/Wt-08-067.1.	1	
IIA 8.16	Brown PB, Wilson KA, Jonker Y, Nickson TE	2003	Glyphosate tolerant canola meal is equivalent to the parental line in diets fed to rainbow trout. <i>Journal of Agricultural and Food Chemistry</i> 51 (15):4268-4272. Doi 10.1021/Jf034018f.	1	
IIA 8.16	Bueno AD, Bueno RCOD, Parra JRP, Vieira SS	2008	Effects of pesticides used in soybean crops to the egg parasitoid <i>Trichogramma pretiosum</i> . <i>Ciencia Rural</i> 38 (6):1495-1503	1	
IIA 8.16	Busse MD, Ratcliff AW, Shestak CJ, Powers RF	2001	Glyphosate toxicity and the effects of long-term vegetation control on soil microbial communities. <i>Soil Biology & Biochemistry</i> 33 (12-13): 1777-1789	1	
IIA 8.16	Carmo ELd, Bueno AdF, Bueno RCOdF, Vieira SS, Gobbi AL, Vasco FR	2009	Selectivity of different pesticides used in soybean to the eggs parasitoid <i>Telenomus remus</i> . <i>Ciencia Rural</i> 39:2293-2300	1	
IIA 8.16	Carmo ELd, Bueno AF, Bueno RCOF, Vieira SS, Goulart MMP, Carneiro TR	2010	Selectivity of pesticides used in soybean crops to <i>Trichogramma pretiosum</i> Riley, 1879 (Hymenoptera: Trichogrammatidae) pupae. <i>Arq. Inst. Biol., São Paulo</i> 77 (2):283-290	1	

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IIA 8.16	Casabe N, Piola L, Fuchs J, Oneto ML, Pamparato L, Basack S, Gimenez R, Massaro R, Papa JC, Kesten E	2007	Ecotoxicological assessment of the effects of glyphosate and chlorpyrifos in an Argentine soya field. Journal of Soils and Sediments 7 (4):232-239. DOI 10.1065/jss2007.04.224.	2	
IIA 8.16	Castilhos RV, Grutzmacher AD, Nava DE, Zotti MJ, Siqueira PRB	2011	Selectivity of Pesticides Used in Peach Orchard on Adults of Chrysoperla Externa (Hagen, 1861) (Neuroptera: Chrysopidae). Revista Brasileira De Fruticultura 33 (1):73-80	1	
IIA 8.16	Castilla AM, Dauwe T, Mora I, Malone J, Guitart R	2010	Nitrates and Herbicides Cause Higher Mortality than the Traditional Organic Fertilizers on the Grain Beetle, <i>Tenebrio molitor</i> . Bulletin of Environmental Contamination and Toxicology 84 (1):104-105. DOI 10.1007/s00128-009-9883-5.	2	
IIA 8.16	Castilla AM, Dauwe T, Mora I, Palmer M, Guitart R	2008	Mortality of the yellow mealworm <i>Tenebrio molitor</i> exposed to fertilizers and herbicides commonly used in agriculture. Vie et Milieu - Life and Environment 58 (3/4):243-247	2	
IIA 8.16	Castro Jr. JV, Selbach PA, Zachiaayub MA	2006	Evaluation of the effect of herbicide glyphosate on soil microbiota. Pesticidas: R. Ecotoxicol. E. Meio Ambiente, Curitiba 16:21-30	1	
IIA 8.16 Also listed under IIA 7.13	Castro JV, Peralba MCR, Ayub MAZ	2007	Biodegradation of the herbicide glyphosate by filamentous fungi in platform shaker and batch bioreactor. Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes 42 (8):883-886. Doi 10.1080/03601230701623290.	1	
IIA 8.16	Cattaneo R, Clasen B, Loro VL, de Menezes CC, Pretto A, Baldisserotto B, Santi AL, de Avila LA	2011	Toxicological Responses of <i>Cyprinus carpio</i> Exposed to a Commercial Formulation Containing Glyphosate. Bulletin of Environmental Contamination and Toxicology 87 (6):597-602. doi: 10.1007/s00128-011-0396-7.	2	

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evalu ation / Translat ion
IIA 8.16	Cauble K, Wagner RS	2005	Sublethal effects of the herbicide glyphosate on amphibian metamorphosis and development. Bulletin of Environmental Contamination and Toxicology 75 (3):429-435. DOI 10.1007/s00128-005-0771-3.	3	K
IIA 8.16 Also listed under IIA 5.10	Caalcante 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 8.16 Also listed under IIA 5.10	Cavas T, Konen S	2007	Detection of cytogenetic and DNA damage in peripheral erythrocytes of goldfish (<i>Carassius auratus</i>) 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 8.16	Cedergreen N, Olesen CF	2010	Can glyphosate stimulate photosynthesis? Pesticide Biochemistry and Physiology 96 (3):140-148 DOI 10.1016/j.pestbp.2009.11.002.	1	
IIA 8.16	Cedergreen N, Streibig JC	2005	The toxicity of herbicides to non-target aquatic plants and algae: assessment of predictive factors and hazard. Pest Management Science 61 (12):1152-1160. Doi 10.1002/ps.1117.	1	
IIA 8.16 Also listed under IIA 7.13	Cerdeira AL, Duke SO	2006	The current status and environmental impacts of glyphosate-resistant crops: a review. J Environ Qual 35 (5):1633-58. DOI: 10.2134/jeq2005.0378.	2 (8.16) 1 (7.13)	
IIA 8.16	Cericato L, Machado JG, Fagundes M, Kreutz LC, Quevedo RM, Finco J, da Rosa JGS, Koakoski G, Centenaro L, Pottker E, Anziliero D, Barcellos LJG	2008	Cortisol response to acute stress in jundia <i>Rhamdia quelen</i> acutely exposed to sub-lethal concentrations of agrochemicals. Comparative Biochemistry and Physiology C-Toxicology & Pharmacology 148 (3): 281-286. DOI 10.1016/j.cbpc2008.06.008.	2	

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IIA 8.16	Cericato L, Neto JGM, Kreutz LC, Quevedo RM, da Rosa JGS, Koakoski G, Centenaro L, Pottker E, Marqueze A, Barcellos LJG	2009	Responsiveness of the interrenal tissue of Jundia (<i>Rhamdia quelen</i>) to an in vivo ACTH test following acute exposure to sublethal concentrations of agrichemicals. Comparative Biochemistry and Physiology C-Toxicology & Pharmacology 149 (3):363-367. DOI 10.1016/j.cbpc.2008.09.002.	1	
IIA 8.16	Chattopadhyay A, Adhikari S, Adhikary SP, Ayyappan S	2007	Influences of environmental factors and antidote addition on glyphosate toxicity to freshwater fish, <i>Labeo rohita</i> (Hamilton). Chemistry and Ecology 23 (4):279-287. Doi 10.1080/02757540701517845.	2	
IIA 8.16	Chen CY, Hathaway KM, Folt CL	2004	Multiple stress effects of Vision (R) herbicide, pH, and food on zooplankton and larval amphibian species from forest wetlands. Environmental Toxicology and Chemistry 23 (4):823-831	3	K
IIA 8.16	Coler RA, Coler RR, Felizardo EK, Watanabe T	2005	Applying weight gain in <i>Pomacea linea</i> (SPIX 1824) (Mollusca: Prosobranchia) as a measure of herbicide toxicity. Braz J Biol 65 (4): 617-23	2	
IIA 8.16	Comstock BA, Sprinkle SL, Smith GR	2007	Acute toxic effects of round-up herbicide on wood frog tadpoles (<i>Rana sylvatica</i>). Journal of Freshwater Ecology 22 (4):705-708	3	K
IIA 8.16	Connors DE, Black MC	2004	Evaluation of lethality and genotoxicity in the freshwater mussel <i>Utterbackia imbecillis</i> (Bivalvia : Unionidae) exposed singly and in combination to chemicals used in lawn care. Archives of Environmental Contamination and Toxicology 46 (3):362-371. DOI 10.1007/s00244-003-3003-z.	2	
IIA 8.16	Contardo-Jara V, Klingemann E, Wiegand C	2009	Bioaccumulation of glyphosate and its formulation Roundup Ultra in <i>Lumbriculus variegatus</i> and its effects on biotransformation and antioxidant enzymes. Environ Pollut 157 (1):57-63. DOI: 10.1016/j.envpol.2008.07.027.	1	

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IIA 8.16	Correia FV, Moreira JC	2010	Effects of glyphosate and 2,4-D on earthworms (<i>Eisenia foetida</i>) in laboratory tests. <i>Bull Environ Contam Toxicol</i> 85 (3):264-8. DOI: 10.1007/s00128-010-0089-7.	3	K
IIA 8.16	Costa MJ, Monteiro DA, Oliveira-Neto AL, Rantin FT, Kalinin AL	2008	Oxidative stress biomarkers and heart function in bullfrog tadpoles exposed to Roundup Original (R). <i>Ecotoxicology</i> 17 (3):153-163. DOI: 10.1007/s10646-007-0178-5.	2	
IIA 8.16	Cox C, Surgan M	2006	Unidentified inert ingredients in pesticides: Implications for human and environmental health. <i>Environmental Health Perspectives</i> 114 (12):1803-1806	1	
IIA 8.16	Cruz-Hipolito H, Rojano-Delgado A, Dominguez-Valenzuela JA, Heredia A, de Castro MDL, de Prado R	2011	Glyphosate tolerance by <i>Clitoria ternatea</i> and <i>Neonotonia wightii</i> plants involves differential absorption and translocation of the herbicide. <i>Plant and Soil</i> 347 (1-2):221-230. doi:10.1007/s11104-011-0840-9.	1	
IIA 8.16	Curran CA, Grassley JM, Grue CE	2004	Toxicity of R-11 (R) surfactant to juvenile rainbow trout: Does size matter? <i>Bulletin of Environmental Contamination and Toxicology</i> 72 (2):401-408. DOI 10.1007/s00128-003-0264-1.	2	
IIA 8.16	Cycon M, Kaczyńska A	2004	Effects of selected pesticides on soil microbial activity in nitrogen and carbon transformation. <i>Pestycydy</i> 1/2:113-120	1	
IIA 8.16	Daam MA, Van den Brink PJ	2010	Implications of differences between temperate and tropical freshwater ecosystems for the ecological risk assessment of pesticides. <i>Ecotoxicology</i> 19 (1):24-37. DOI 10.1007/s10646-009-0402-6.	1	
IIA 8.16	Dalton RL, Boutin C	2010	Comparison of the effects of glyphosate and atrazine herbicides on nontarget plants grown singly and in microcosms. <i>Environ Toxicol Chem</i> 29 (10):2304-15. DOI: 10.1002/etc.277.	2	
IIA 8.16	Damin V, Franco HCJ, Moraes MF, Franco A, Trivelin PCO	2008	Nitrogen loss in <i>Brachiaria decumbens</i> after application of glyphosate or glufosinate-ammonium. <i>Scientia Agricola</i> 65 (4):402-407	1	

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluation / Transl ation
IIA 8.16	Davis A, Lewis S, Bainbridge Z, Brodie J, Shannon E	2008	Pesticide Residues In Waterways Of The Lower Burdekin Region: Challenges In Ecotoxicological Interpretation Of Monitoring Data. Australasian Journal of Ecotoxicology 14 (2-3):89-108	1	
IIA 8.16	de Alvarez AV, Fuentes CL, Torres-Torres E	2002	In vitro response of one isolate of <i>Rhizoctonia solani</i> , the pathogen of the rice sheath blight and four isolates of <i>Trichoderma</i> to glyphosate. Agronomia Colombiana 19 (1-2):43-53	1	
IIA 8.16	de Jong FMW, de Haes HAU	2001	Development of a field bioassay for the side-effects of herbicides on vascular plants using <i>Brassica napus</i> and <i>Poa annua</i> . Environmental Toxicology 16 (5):397-407	2	
IIA 8.16	de Solla SR, Martin PA, Mikoda P	2011	Toxicity of pesticide and fertilizer mixtures simulating corn production to eggs of snapping turtles (<i>Chelydra serpentina</i>). Science of the Total Environment 409 (20):4306-4311. DOI 10.1016/j.scitotenv.2011.06.046	1	
IIA 8.16	Debenest T, Silvestre J, Coste M, Pinelli E	2010	Effects of Pesticides on Freshwater Diatoms. In Reviews of Environmental Contamination and Toxicology, edited by D. M. Whitacre. Springer New York. pp 87-103. DOI: 10.1007/978-1-4419-1352-4_2.	1	
IIA 8.16	Deeds ZA, Al-Khatib K, Peterson DE, Stahlman PW	2006	Wheat Response to Simulated Drift of Glyphosate and Imazamox Applied at Two Growth Stages. Weed Technology 20:23-31	1	
IIA 8.16	Demetrio PM, Rossini GDB, Bonetto CA, Ronco AE	2012	Effects of Pesticide Formulations and Active Ingredients on the Coelenterate <i>Hydra attenuata</i> (Pallas, 1766). Bulletin of Environmental Contamination and Toxicology 88 (1):15-9. doi:10.1007/s00128-011-0463-0.	1	
IIA 8.16	Devos Y, Cougnon M, Vergucht S, Bulcke R, Haesaert G, Steurbaut W, Reheul D	2008	Environmental impact of herbicide regimes used with genetically modified herbicide-resistant maize. Transgenic Research 17 (6): 1059-1077. DOI: 10.1007/s11248-008-9181-8.	1	

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evalu ation / Translat ion
IIA 8.16	Diaz G, Carrillo C, Honrubia M	2003	Differential responses of ectomycorrhizal fungi to pesticides in pure culture. <i>Cryptogamie Mycologie</i> 24 (3):199-211	1	
IIA 8.16	Dinehart SK, Smith LM, McMurry ST, Anderson TA, Smith PN, Haukos DA	2009	Toxicity of a glufosinate- and several glyphosate-based herbicides to juvenile amphibians from the Southern High Plains, USA. <i>Sci Total Environ</i> 407 (3):1065-71. DOI: 10.1016/j.scitotenv.2008.10.010.	2	
IIA 8.16	Dinehart SK, Smith LM, McMurry ST, Smith PN, Anderson TA, Haukos DA	2010	Acute and chronic toxicity of Roundup Weathermax (R) and Ignite (R) 280 SL to larval <i>Spea multiplicata</i> and <i>S. bombifrons</i> from the Southern High Plains, USA. <i>Environmental Pollution</i> 158 (8): 2610-2617. DOI 10.1016/j.envpol.2010.05.006.	K	
IIA 8.16	Ding W, Reddy KN, Zablotowicz RM, Bellaloui N, Arnold Bruns H	2011	Physiological responses of glyphosate-resistant and glyphosate-sensitive soybean to aminomethylphosphonic acid, a metabolite of glyphosate. <i>Chemosphere</i> 83 (4):593-8. DOI: 10.1016/j.chemosphere.2010.12.008.	3	K
IIA 8.16	Dixon FL, Clay DV, Wiloughby I	2002	Susceptibility of woodland plants to herbicide drift. <i>Quarterly Journal of Forestry</i> 96 (1):32-36	1	
IIA 8.16	Dominguez-Cortinas G, Saavedra JM, Santos-Medrano GE, Rico-Martinez R	2008	Analysis of the toxicity of glyphosate and Faena® using the freshwater invertebrates <i>Daphnia magna</i> and <i>Lecane quadridentata</i> . <i>Toxicological & Environmental Chemistry</i> 90 (2):377 - 384	1	
IIA 8.16	dos Santos JB, Ferreira EA, Kasuya MCM, da Silva AA, Propício SDO	2005	Tolerance of <i>Bradyrhizobium</i> strains to glyphosate formulations. <i>Crop Protection</i> 24 (6):543-547. DOI 10.1016/j.croppro.2004.10.007.	2	
IIA 8.16	Drouin P, Sellami M, Prevost D, Fortin J, Antoun H	2010	Tolerance to agricultural pesticides of strains belonging to four genera of Rhizobiaceae. <i>Journal of Environmental Science and Health Part B-Pesticides Food Contaminants and Agricultural Wastes</i> 45 (8):757-765. doi: 10.1080/03601234.2010.515168.	1	

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evaluation / Transl ation
IIA 8.16 Also listed under IIA 7.13	Druart C, Millet M, Scheifler R, Delhomme O, de Vaufleury A	2011	Glyphosate and glufosinate-based herbicides: fate in soil, transfer to, and effects on land snails. <i>Journal of Soils and Sediments</i> 11 (8): 1373-1384. doi: 10.1007/s11368-011-0409-5.	1	
IIA 8.16	Druart C, Millet M, Scheifler R, Delhomme O, Raeppe C, de Vaufleury A	2011	Snails as indicators of pesticide drift, deposit, transfer and effects in the vineyard. <i>Science of the Total Environment</i> 409 (20):4280-4288. DOI 10.1016/j.scitotenv.2011.07.006.	2	
IIA 8.16	Druart C, Scheifler R, de Vaufleury A	2010	Towards the development of an embryotoxicity bioassay with terrestrial snails: Screening approach for cadmium and pesticides. <i>Journal of Hazardous Materials</i> 184(1-3):26-33. DOI 10.1016/j.jhazmat.2010.07.099.	2	
IIA 8.16	Druart C, Scheifler R, Millet M, de Vaufleury A	2012	Landsnail eggs bioassays: A new tool to assess embryotoxicity of contaminants in the solid, liquid or gaseous phase of soil. <i>Applied Soil Ecology</i> 53:56-64. doi: 10.1016/j.apsoil.2011.11.006.	1	
IIA 8.16	Duke S, Wedge D, Cerdeira A, Matallo M	2007	Interactions Of Synthetic Herbicides With Plant Disease And Microbial Herbicides. In <i>Novel Biotechnologies for Biocontrol Agent Enhancement and Management</i> . pp 277-296.	1	
IIA 8.16 Also listed under IIA 7.13	Duke SO, Powles SB	2008	Glyphosate: a once-in-a-century herbicide. <i>Pest Manag Sci</i> 64 (4): 319-25. DOI: 10.1002/ps.1518.	1	
IIA 8.16	Dunfield KE, Germida JJ	2004	Impact of genetically modified crops on soil- and plant-associated microbial communities. <i>Journal of Environmental Quality</i> 33 (3): 806-815	1	
IIA 8.16	Dutra BK, Fernandes FA, Failace DM, Oliveira GT	2011	Effect of Roundup(R) (glyphosate formulation) in the energy metabolism and reproductive traits of <i>Hyalella castroi</i> (Crustacea, Amphipoda, Dogielinotidae). <i>Ecotoxicology</i> 20 (1):255-63. DOI: 10.1007/s10646-010-0577-x.	3	K

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IIA 8.16	Eason TH, Scanlon PF	2002	Effects of Atrazine and Glyphosate ingestion on body weight and nutritional well-being of Coturnix quail. Zeitschrift Fur Jagdwissenschaft 48:281-285	1	
IIA 8.16	Edge CB, Gahl MK, Pauli BD, Thompson DG, Houlahan JE	2011	Exposure of juvenile green frogs (Lithobates clamitans) in littoral enclosures to a glyphosate-based herbicide. Ecotoxicology and Environmental Safety 74 (5):1363-1369. DOI 10.1016/j.ecoenv.2011.04.020.	1	
IIA 8.16	Edginton AN, Sheridan PM, Boermans HJ, Thompson DG, Holt JD, Stephenson GR	2004	A comparison of two factorial designs, a complete 3XB factorial and a central composite rotatable design, for use in binomial response experiments in aquatic toxicology. Archives of Environmental Contamination and Toxicology 46 (2):216-223 DOI 10.1007/s00244-003-2176-9.	2	
IIA 8.16	Edginton AN, Sheridan PM, Stephenson GR, Thompson DG, Boermans HJ	2004	Comparative effects of pH and Vision (R) herbicide on two life stages of four amuran amphibian species. Environmental Toxicology and Chemistry 23 (4):815-822	2 E	K
IIA 8.16	Elandaloussi LM, Leite RB, Rodrigues PM, Afonso R, Cancela ML	2008	Effect of the herbicide Roundup (R) on Perkinsus olseni in vitro Proliferation and in vivo survival when infecting a permissive host, the clam <i>Ruditapes decussatus</i> . Bulletin of Environmental Contamination and Toxicology 80 (6):512-515. DOI 10.1007/s00128-008-9412-y.	1	
IIA 8.16	Ellis JM, Griffin JL	2002	Soybean (<i>Glycine max</i>) and cotton (<i>Gossypium hirsutum</i>) response to simulated drift of glyphosate and glufosinate. Weed Technology 16 (3): 580-586	1	
IIA 8.16	Ellis JM, Griffin JL, Linscombe SD, Webster ER	2003	Rice (<i>Oryza sativa</i>) and corn (<i>Zea mays</i>) response to simulated drift of glyphosate and glufosinate. Weed Technology 17 (3):452-460	1	
IIA 8.16	El-Sayed EA	2003	Efficiency of biocontrol agents to control fusarial diseases of watermelon as influenced by herbicide Roundup. Assiut Journal of Agricultural Sciences 34 (2):225-239	2	

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IIA 8.16	El-Shenawy NS, Abdel-Nabi IM, Moawad TI, A. TI	2003	Physiological and behavioural responses of <i>Ruditapes decussatus</i> to roundup and reldan. Egyptian Journal of Biology 5:108-119	1	
IIA 8.16	Enrich-Prast A	2006	Effect of pesticides on nitrification in aquatic sediment. <i>Braz J Biol.</i> 66 (2A):405-12	2	
IIA 8.16 Also listed under IIA 7.13	Eriksson E, Baun A, Mikkelsen PS, Ledin A	2007	Risk assessment of xenobiotics in stormwater discharged to Harrestrup angstrom, Denmark. <i>Desalination</i> 215 (1-3):187-197. DOI 10.1016/j.desal.2006.12.008	1 (8.16) 2 (7.13)	
IIA 8.16	Evans SC, Shaw EM, Rypstra AL	2010	Exposure to a glyphosate-based herbicide affects arthropod predatory behaviour and long-term survival. <i>Ecotoxicology</i> 19 (7): 1249-57. DOI: 10.1007/s10646-010-0509-9.	3	K
IIA 8.16	Evraud E, Marchand J, Theron M, Pichavant-Rafini K, Durand G, Quiniou L, Laroche J	2010	Impacts of mixtures of herbicides on molecular and physiological responses of the European flounder <i>Platichthys flesus</i> . <i>Comparative Biochemistry and Physiology Part C: Toxicology and Pharmacology</i> 152 (3):321-331. DOI: 10.1016/j.cbpc.2010.05.009.	1	
IIA 8.16	Favret KP, Lynn JW	2010	Flow-Cytometric Analyses of Viability Biomarkers in Pesticide-Exposed Sperm of Three Aquatic Invertebrates. <i>Archives of Environmental Contamination and Toxicology</i> 58 (4):973-984. DOI: 10.1007/s00244-009-9410-z.	2	
IIA 8.16	Felix J, Boydston R, Burke IC	2011	Potato Response to Simulated Glyphosate Drift. <i>Weed Technology</i> 25 (4):637-644. DOI: 10.1614/wt-d-11-00001.1.	2	
IIA 8.16	Feng PCC, Baley GJ, Clinton WP, Bunkers GJ, Alibhai MF, Paulitz TC, Kidwell KK	2005	Glyphosate inhibits rust diseases in glyphosate-resistant wheat and soybean. <i>Proceedings of the National Academy of Sciences of the United States of America</i> 102 (48):17290-17295. DOI 10.1073/pnas.0508873102.	1	
IIA 8.16	Feng PCC, Clark C, Andrade GC, Balbi MC, Caldwell P	2008	The control of Asian rust by glyphosate in glyphosate-resistant soybeans. <i>Pest Management Science</i> 64 (4):353-359. Doi 10.1002/ps.1498.	1	

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IIA 8.16	Fernandez MP, Zentner KP, DePauw RM, Gehl D, Stevenson FC	2007	Impacts of crop production factors on common root rot of barley in eastern Saskatchewan. Crop Science 47 (4):1585-1595. DOI 10.2135/cropsci2006.09.0606.	3	K
IIA 8.16	Fernandez MR, Huber D, Basnyat P, Zentner RP	2008	Impact of agronomic practices on populations of Fusarium and other fungi in cereal and noncereal crop residues on the Canadian Prairies. Soil & Tillage Research 100 (1-2):60-71. DOI 10.1016/j.still.2008.04.008.	3	K
IIA 8.16	Fernandez MR, Selles F, Gehl D, Depauw RM, Zentner RP	2005	Crop production factors associated with fusarium head blight in spring wheat in eastern Saskatchewan. Crop Science 45 (5):1908-1916. DOI 10.2135/cropsci2004.0197	3	K
IIA 8.16	Fernandez MR, Zentner RP, Basnyat P, Gehl D, Selles F, Huber D	2009	Glyphosate associations with cereal diseases caused by Fusarium spp. in the Canadian Prairies. European Journal of Agronomy 31 (3): 133-143	3	K
IIA 8.16	Fernandez MR, Zentner RP, DePauw RM, Gehl D, Stevenson FC	2007	Impacts of crop production factors on fusarium head blight in barley in eastern Saskatchewan. Crop Science 47 (4):1574-1584. DOI 10.2135/cropsci2006.09.0596.	3	K
IIA 8.16	Ferreira D, Motta ACD, Kreutz LC, Toni C, Loro VL, Barcellos LJG	2010	Assessment of oxidative stress in Rhamdia quelen exposed to agrochemicals. Chemosphere 79 (9):914-921. DOI: 10.1016/j.chemosphere.2010.03.024.	1	
IIA 8.16	Filizadeh Y, Islami HR	2011	Toxicity determination of three sturgeon species exposed to glyphosate. Iranian Journal of Fisheries Sciences 10 (3):383-392	3	K
IIA 8.16	Franca AC, Freitas MAM, D'Antonino L, Fialho CMT, Silva AA, Reis MR, Ronchi CP	2010	Nutrient Content in Arabica Coffee Cultivars Subjected to Glyphosate Drift. Planta Daninha 28 (4):877-885. doi: 10.1590/s0100-83582010000400021.	2	

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IIA 8.16	Frontera JL, Vatnick I, Chaulet A, Rodriguez EM	2011	Effects of Glyphosate and Polyoxyethylenamine on Growth and Energetic Reserves in the Freshwater Crayfish Cherax quadricarinatus (Decapoda, Parastacidae). Archives of Environmental Contamination and Toxicology 61 (4):590-598. DOI 10.1007/s00244-011-9661-3.	2	
IIA 8.16	Fuentes L, Moore LJ, Rodgers Jr. JH, Bowerman WW, Yarrow GK, Chao WY	2011	Comparative toxicity of two glyphosate formulations (original formulation of Roundup and Roundup WeatherMAX) to six North American larval anurans. Environmental toxicology and chemistry SETAC 30 (12):2756-61. doi: 10.1002/etc.670.	1	
IIA 8.16	Gahl MK, Pauli BD, Houlahan JE	2011	Effects of chytrid fungus and a glyphosate-based herbicide on survival and growth of wood frogs (<i>Lithobates sylvaticus</i>). Ecological Applications 21 (7):2521-2529	2	
IIA 8.16	García-del-Pino F, Morton A	2010	Synergistic effect of the herbicides glyphosate and MCPA on survival of entomopathogenic nematodes. Biocontrol Science and Technology 20 (5):483-488. DOI: 10.1080/09583151003592844.	2	
IIA 8.16	Garcia-Orenes F, Guerrero C, Roldan A, Mataix-Solera J, Cerdá A, Campoy M, Zornoza R, Barcenas G, Caravaca F	2010	Soil microbial biomass and activity under different agricultural management systems in a semiarid Mediterranean agroecosystem. Soil & Tillage Research 109 (2):110-115. doi: 10.1016/j.still.2010.05.005.	2	
IIA 8.16	Garnett R	2001	The herbicide Glyphosate: A Scientific Overview. In Genetic Engineering and Ecology. pp 58-63.	1	
IIA 8.16	Ge H, Liu S, Zhu X, Wang L	2008	Microplate algae toxicity of 9 pesticides to <i>Scenedesmus obliquus</i> based on absorbance. Asian Journal of Ecotoxicology 3 (6):606-612	2	
IIA 8.16	Gilreath JP, Chase CA	2001	Crop injury from sublethal rates of herbicide. I. Tomato. Hortscience 36 (4):669-673	1	
IIA 8.16	Giolo FP, Grützmacher AD, Procópio SO, Manzoni CG, Lima CAB, Nörnberg SD	2005	Side-effects of glyphosate formulations on <i>Trichogramma pretiosum</i> (Hymenoptera: Trichogrammatidae). Planta Daninha 23:458-462	2	

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IIA 8.16	Glazko VI, Glazko TT, Iutinskaya GA, Yamborko NI	2006	Change in the enzyme spectra of soil microorganisms <i>Micrococcus luteus</i> CCM 248 and <i>Stenotrophomonas maltophilia</i> UKM V-257 under the effect of certain pesticides. Russian Agricultural Sciences 5:8-1	1	
IIA 8.16	Gluszak L, Loro V, Pretto A, Moraes B, Raabe A, Duarte M, da Fonseca M, de Menezes C, de Sousa Valladão D	2011	Acute Exposure to Glyphosate Herbicide Affects Oxidative Parameters in Piava (<i>Leporinus obtusidens</i>). Archives of Environmental Contamination and Toxicology 61 (4):624-630. DOI: 10.1007/s00244-011-9652-4.	2	
IIA 8.16	Gluszak L, Miron DD, Moraes BS, Simoes RR, Schetinger MRC, Morsch VM, Loro VL	2007	Acute effects of glyphosate herbicide on metabolic and enzymatic parameters of silver catfish (<i>Rhamdia quelen</i>). Comparative Biochemistry and Physiology C-Toxicology & Pharmacology 146 (4): 519-524. DOI 10.1016/j.cbpc.2007.06.004.	2	
IIA 8.16	Gluszak L, Miron DDS, Crestani M, da Fonseca MB, Pedron FDA, Duarte MF, Vieira VUP	2006	Effect of glyphosate herbicide on acetylcholinesterase activity and metabolic and hematological parameters in piava (<i>Leporinus obtusidens</i>). Ecotoxicology and Environmental Safety 65 (2):237-241. DOI 10.1016/j.ecoenv.2005.07.017.	1	
IIA 8.16	Gomez E, Ferreras L, Lovotti L, Fernandez E	2009	Impact of glyphosate application on microbial biomass and metabolic activity in a Vertic Argiudoll from Argentina. European Journal of Soil Biology 45 (2):163-167. DOI 10.1016/j.ejsobi.2008.10.001.	1	
IIA 8.16	Gopal K, Babu GP	2004	Efficacy of pesticides on population dynamics of <i>Fusarium solani</i> , a causal agent of dry root-rot of citrus. Geobios (Jodhpur) 31 (1):67-68	1	
IIA 8.16	Goradia I, Hartman G, Daniel S	2009	Evaluation of glyphosate-tolerant soybean cultivars for resistance to bacterial pustule. European Journal of Plant Pathology 124 (2): 331-335. doi: 10.1007/s10658-008-9410-2.	1	

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IIA 8.16	Gove B, Power SA, Buckley GP, Ghazoul J	2007	Effects of herbicide spray drift and fertilizer overspread on selected species of woodland ground flora: comparison between short-term and long-term impact assessments and field surveys. <i>Journal of Applied Ecology</i> 44 (2):374-384. DOI 10.1111/j.1365-2664.2007.01261.x.	2	
IIA 8.16	Gravena R, Filho RV, Alves PLC, Mazzafera P, Gravena AR	2009	Low glyphosate rates do not affect <I>Citrus limonia</I> (L.) Osbeck seedlings. <i>Pest Management Science</i> 65 (4):420-425	1	
IIA 8.16	Gregorc A, Ellis JD	2011	Cell death localization <i>in situ</i> in laboratory reared honey bee (<i>Apis mellifera</i> L.) larvae treated with pesticides. <i>Pesticide Biochemistry and Physiology</i> 99 (2):200-207. DOI: 10.1016/j.pestbp.2010.12.005.	3	K
IIA 8.16	Gregorc A, Evans JD, Scharf M, Ellis JD	2012	Gene expression in honey bee (<i>Apis mellifera</i>) larvae exposed to pesticides and Varroa mites (<i>Varroa destructor</i>). <i>Journal of Insect Physiology</i> (0). DOI:10.1016/j.jinsphys.2012.03.015.	3	K
IIA 8.16	Gressel J	2010	Herbicides as Synergists for Mycoherbicides, and Vice Versa. <i>Weed Science</i> 58 (3):324-328. DOI: 10.1614/ws-09-071.1.	1	
IIA 8.16	Griesinger LM, Evans SC, Rypstra AL	2011	Effects of a glyphosate-based herbicide on mate location in a wolf spider that inhabits agroecosystems. <i>Chemosphere</i> 84 (10):1461-1466. DOI: 10.1016/j.chemosphere.2011.04.044.	3	K
IIA 8.16 Also listed under IIA 5.10	Grisolia CK	2002	A comparison between mouse and fish micronucleus test using cyclophosphamide, mitomycin C and various pesticides. <i>Mutation Research-Genetic Toxicology and Environmental Mutagenesis</i> 518 (2): 145-150	1	
IIA 8.16 Also listed under IIA 5.10	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. <i>Mutagenesis</i> 25 (5):523-530. DOI: 10.1093/mutage/geq038.	3 (8.16) 2 (5.10) E	K

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IIA 8.16	Hall LW, Killen WD, Alden RW	2007	Relationship of Farm Level Pesticide Use and Physical Habitat on Benthic Community Status in a California Agricultural Stream. Human and Ecological Risk Assessment: An International Journal 13(4): 843-869. DOI: 10.1080/10807030701456775.	1	
IIA 8.16	Haller WT, Stocker RK	2003	Toxicity of 19 adjuvants to juvenile Lepomis macrochirus (bluegill sunfish). Environmental Toxicology and Chemistry 22 (3):615-619	2	
IIA 8.16 Also listed under IIA 7.13	Haney RL, Senseman SA, Hons FM	2002	Effect of roundup ultra on microbial activity and biomass from selected soils. Journal of Environmental Quality 31(3):730-735	1	
IIA 8.16 Also listed under IIA 7.13	Haney RL, Senseman SA, Krutz LJ, Hons FM	2002	Soil carbon and nitrogen mineralization as affected by atrazine and glyphosate. Biology and Fertility of Soils 35 (1):35-40. DOI 10.1007/s00374-001-0437-1	1	
IIA 8.16	Harikrishnan R, Yang XB	2002	Effects of herbicides on root rot and damping-off caused by Rhizoctonia solani in glyphosate-tolerant soybean. Plant Disease 86 (12):1369-1373	1	
IIA 8.16	Harikrishnan R, Yang XB	2001	Influence of herbicides on growth and sclerotia production in Rhizoctonia solani. Weed Science 49 (2):241-247	1	
IIA 8.16	Hart MM, Powell JR, Gulden RH, Dunfield KE, Peter Pauls K, Swanton CJ, Khronomos JN, Antunes PM, Koch AM, Trevors JT	2009	Separating the effect of crop from herbicide on soil microbial communities in glyphosate-resistant corn. Pedobiologia 52 (4):253-262	1	
IIA 8.16	Hedberg D, Wallin M	2010	Effects of Roundup and glyphosate formulations on intracellular transport, microtubules and actin filaments in Xenopus laevis melanophores. Toxicol In Vitro 24 (3):795-802. DOI: 10.1016/j.tiv.2009.12.020.	2	

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IIA 8.16	Helbing CC, Maher SK, Han J, Gunderson MP, Borchers C	2010	Peering into molecular mechanisms of action with frogSCOPE. General and Comparative Endocrinology 168 (2):190-198. DOI: 10.1016/j.ygcen.2010.01.012.	1	
IIA 8.16	Henriksen B, Elen O	2005	Natural Fusarium grain infection level in wheat, barley and oat after early application of fungicides and herbicides. Journal of Phytopathology 153 (4):214-220	1	
IIA 8.16	Howe CM, Berrill M, Pauli BD, Helbing CC, Werry K, Veldhoen N	2004	Toxicity of glyphosate-based pesticides to four North American frog species. Environmental Toxicology and Chemistry 23 (8):1928-1938	3	K
IIA 8.16	Hu B-Y, Hsieh H-J, Yao J-C, Fu C-H	2005	Study on the Tolerance of Some Soil Fungi to Glyphosate. J Exp For Nat Taiwan Univ 19 (1):17-23	1	
IIA 8.16	Huang XJ, Fong S, Deanovic L, Young TA	2005	Toxicity of herbicides in highway runoff. Environmental Toxicology and Chemistry 24 (9):2336-2340	1	
IIA 8.16	Hued A, Oberhofer S, de los Angeles Bistoni M	2012	Exposure to a Commercial Glyphosate Formulation (Roundup) Alters Normal Gill and Liver Histology and Affects Male Sexual Activity of Jenynsia multidentata (Anablepidae, Cyprinodontiformes). Archives of Environmental Contamination and Toxicology 62 (1):107-117. DOI: 10.1007/s00244-011-9686-7.	3	K
IIA 8.16	Imfeld G, Vuilleumier S	2012	Measuring the effects of pesticides on bacterial communities in soil: A critical review. European Journal of Soil Biology. doi: 10.1016/j.ejsobi.2011.11.010.	1	
IIA 8.16	Imura O, Shi K, Imura K, Takamizo T	2010	Assessing the effects of cultivating genetically modified glyphosate-tolerant varieties of soybeans (<i>Glycine max</i> (L.) Merr.) on populations of field arthropods. Environ Biosafety Res 9 (2):101-12. DOI: 10.1051/ebr/2010010.	2	

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IIA 8.16	Inderjit I, Kaushik S	2010	Effect of herbicides with different modes of action on physiological and cellular traits of <i>Anabaena fertilissima</i>. Paddy and Water Environment 8 (3):277-282. DOI: 10.1007/s10333-010-0208-4.	2	
IIA 8.16	Irvine IC, Witter MS, Brigham CA, Martiny JBH	2012	Relationships between Methylotobacteria and Glyphosate with Native and Invasive Plant Species: Implications for Restoration. Restoration Ecology. doi: 10.1111/j.1526-100X.2011.00850.x.	2	
IIA 8.16	Jayawardena UA, Navaratne AN, Amerasinghe PH, Rajakaruna RS	2011	Acute and chronic toxicity of four commonly used agricultural pesticides on the Asian common toad, <i>Bufo melanostictus</i> Schneider. Journal of the National Science Foundation of Sri Lanka 39 (3): 267-276. doi: 10.4038/jnsfsr.v39i3.3631.	3	K
IIA 8.16	Jayawardena UA, Rajakaruna RS, Navaratne AN, Amerasinghe PH	2010	Toxicity of Agrochemicals to Common Hourglass Tree Frog (<i>Polypedates cruciger</i>) in Acute and Chronic Exposure. International Journal of Agriculture and Biology 12 (5):641-648	3	K
IIA 8.16	Jiang W, Garrett KA, Peterson DE, Harvey TL, Bowden RL, Fang L	2005	The window of risk for emigration of Wheat streak mosaic virus varies with host eradication method. Plant Disease 89 (8):853-858. Doi 10.1094/Pd-89-0853.	1	
IIA 8.16	Jiraungkoorskul W, Upatham ES, Kruatrachue M, Sahaphong S, Vichasri-Grams S, Pokethitiyook P	2003	Biochemical and histopathological effects of glyphosate herbicide on Nile tilapia (<i>Oreochromis niloticus</i>). Environmental Toxicology 18 (4): 260-267. Doi 10.1002/Tox.10123.	1 E	K
IIA 8.16	Jiraungkoorskula W, Upatham ES, Kruatrachue M, Sahaphong S, Vichasri-Grams S, Pokethitiyook P	2002	Histopathological Effects of Roundup, a Glyphosate Herbicide, on Nile tilapia (<i>Oreochromis niloticus</i>). ScienceAsia 28:121-127 DOI: 10.2306/scienceasia1513-1874.2002.28.121.	1	
IIA 8.16	Johal GS, Huber DM	2009	Glyphosate effects on diseases of plants. European Journal of Agronomy 31 (3):144-152	2	K

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IIA 8.16	Jones DK, Hammond JI, Relyea RA	2011	Competitive stress can make the herbicide Roundup® more deadly to larval amphibians. Environmental Toxicology and Chemistry 30 (2): 446-454. DOI: 10.1002/etc.384.	3	K
IIA 8.16	Jones DK, Hammond JI, Relyea RA	2010	Roundup® and amphibians: The importance of concentration, application time, and stratification. Environmental Toxicology and Chemistry 29 (9):2016-2025. DOI: 10.1002/etc.240.	3	K
IIA 8.16 Also listed under IIA 7.13	Kaiser K	2011	Preliminary Study of Pesticide Drift into the Maya Mountain Protected Areas of Belize. Bulletin of Environmental Contamination and Toxicology 86 (1):56-59. doi: 10.1007/s00128-010-0167-x.	1	
IIA 8.16	Kaneda S, Okano S, Urashima Y, Murakami T, Nakajima M	2009	Effects of herbicides, glyphosate, on density and casting activity of earthworm, Pheretima (Amyntas) carnosus. Japanese Journal of Soil Science and Plant Nutrition 80:469-476	1	T
IIA 8.16	Kannan C, Kathiresan RM	2002	Herbicultural control of water hyacinth and its impact on fish growth and water quality. Indian J. Weed Sci. 34 (1-2):92-95	1	
IIA 8.16	Kaschuk G, Alberton O, Hungria M	2009	Three decades of soil microbial biomass studies in Brazilian ecosystems: Lessons learned about soil quality and indications for improving sustainability. Soil Biology and Biochemistry In Press, Corrected Proof. DOI: 10.1016/j.soilbio.2009.08.020.	1	
IIA 8.16	Kelly DW, Poulin R, Tompkins DM, Townsend CR	2010	Synergistic effects of glyphosate formulation and parasite infection on fish malformations and survival. Journal of Applied Ecology 47 (2): 498-504. DOI: 10.1111/j.1365-2664.2010.01791.x.	3	K
IIA 8.16	Kerby JL, Richards-Hrdlicka KL, Storfer A, Skelly DK	2010	An examination of amphibian sensitivity to environmental contaminants: are amphibians poor canaries? Ecology Letters 13 (1): 60-67. DOI 10.1111/j.1461-0248.2009.01399.x.	1	
IIA 8.16	Keum YS, Lee HR, Kim JH	2010	Effects of Pesticides on the Bacterial Production of Pyrrolnitrin. Journal of Agricultural and Food Chemistry 58 (9):5531-5537. Doi 10.1021/Jf904195j.	1	

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IIA 8.16	Khokhar UU, Sharma MK, Singh R	2001	Changes in some physicochemical and microbiological properties of the soil under various systems of floor management in almond (<i>Prunus amygdalus</i> Batsch.) orchard. Journal of the Indian Society of Soil Science 49 (1):213-215	1	
IIA 8.16	Kielak E, Sempruch C, Mioduszewska H, Klocek J, Leszczyński B	2011	Phytotoxicity of Roundup Ultra 360 SL in aquatic ecosystems: Biochemical evaluation with duckweed (<i>Lemna minor</i> L.) as a model plant. Pesticide Biochemistry and Physiology 99 (3):237-243. DOI: 10.1016/j.pestbp.2011.01.002.	2	
IIA 8.16	King CA, Purcell LC, Vories ED	2001	Plant growth and nitrogenase activity of glyphosate-tolerant soybean in response to foliar glyphosate applications. Agronomy Journal 93 (1): 179-186	1	
IIA 8.16	King JJ, Wagner RS	2010	Toxic Effects of the Herbicide Roundup® Regular on Pacific Northwestern Amphibians. Northwestern Naturalist 91 (3):318-324. DOI: 10.1898/nwn09-25.1.	3	K
IIA 8.16 Also listed under IIA 7.13	Kleter GA, Harris C, Stephenson G, Unsworth J	2008	Comparison of herbicide regimes and the associated potential environmental effects of glyphosate-resistant crops versus what they replace in Europe. Pest Manag Sci 64 (4):479-88. DOI: 10.1002/ps.513.	1	
IIA 8.16	Koger CH, Shaner DL, Krutz LJ, Walker TW, Buehring N, Henry WB, Thomas WE, Witcut JW	2005	Rice (<i>Oryza sativa</i>) response to drift rates of glyphosate. Pest Management Science 61 (12):1161-1167. Doi 10.1002/pt.1113.	1	
IIA 8.16	Kortekamp A	2011	Unexpected Side Effects of Herbicides: Modulation of Plant-Pathogen Interactions. In Herbicides and Environment, edited by A. Kortekamp. Croatia. InTech. pp 85 - 104.	1	
IIA 8.16 Also listed under IIA 5.10	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 8.16	Kremer RJ	2006	Deleterious Rhizobacteria. In Plant-Associated Bacteria, edited by S. S. Gnanamanickam. pp 335-357.	2	
IIA 8.16	Kremer RJ, Kussman RD	2011	Soil quality in a pecan-kura clover alley cropping system in the Midwestern USA. Agroforestry Systems 83 (2):213-223. doi: 10.1007/s10457-011-9370-y.	1	
IIA 8.16	Kremer RJ, Means NE	2009	Glyphosate and glyphosate-resistant crop interactions with rhizosphere microorganisms. European Journal of Agronomy 31 (3):153-161	K	
IIA 8.16	Kreutz LC, Barcellos LJ, Marteninghe A, Dos Santos ED, Zanatta R	2010	Exposure to sublethal concentration of glyphosate or atrazine-based herbicides alters the phagocytic function and increases the susceptibility of silver catfish fingerlings (<i>Rhamdia quelen</i>) to <i>Aeromonas hydrophila</i> challenge. Fish Shellfish Immunol 29 (4): 694-7. DOI: 10.1016/j.fsi.2010.06.003.	3	K
IIA 8.16	Kreutz LC, Barcellos LJG, Silva TO, Anziliero D, Martins D, Lorenson M, Marteninghe A, da Silva LB	2008	Acute toxicity test of agricultural pesticides on silver catfish (<i>Rhamdia quelen</i>) fingerlings. Ciencia Rural 38 (4):1050-1055	1	
IIA 8.16	Kreutz LC, Gil Barcellos LJ, de Faria Valle S, de Oliveira Silva T, Anziliero D, Davi dos Santos E, Pivato M, Zanatta R	2011	Altered hematological and immunological parameters in silver catfish (<i>Rhamdia quelen</i>) following short term exposure to sublethal concentration of glyphosate. Fish Shellfish Immunol 30 (1):51-7. DOI: 10.1016/j.fsi.2010.09.012.	3	K
IIA 8.16	Krzysko-Lupicka T	2008	Ecological effects of phosphoorganic herbicide on soil diazotrophs in spring. Part II. Ecological Chemistry & Engineering S 15 (4):595-602	1	
IIA 8.16	Krzysko-Lupicka T, Grata K	2008	Ecological effects of phosphoorganic herbicide on soil diazotrophs in autumn. Part I. Ecological Chemistry and Engineering S-Chemia I Inzynieria Ekologiczna S 15 (1):95-102	1	

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IIA 8.16	Krzysko-Lupicka T, Sudol T	2005	The Ability Of Selected Fusarium Fungi To A Growth In the Presence Of Different Glyphosate Concentrations. Polish Journal of Chemical Technology 7 (2):10-15	1	
IIA 8.16	Krzysko-Lupicka T, Sudol T	2008	Interactions between glyphosate and autochthonous soil fungi surviving in aqueous solution of glyphosate. Chemosphere 71 (7): 1386-91. DOI: 10.1016/j.chemosphere.2007.11.006.	1	
IIA 8.16	Kuklinsky-Sobral HL, Araujo WL, Mendes R, Pizzirani-Kleiner AA, Azevedo JL	2005	Isolation and characterization of endophytic bacteria from soybean (Glycine max) grown in soil treated with glyphosate herbicide. Plant and Soil 273 (1-2):91-99. DOI 10.1007/s11104-004-6894-1	2	
IIA 8.16	Kulesza AE, Holomuzki JR, Klarer DM	2008	Benthic community structure in stands of Typha angustifolia and herbicide-treated and untreated Phragmites australis. Wetlands 28 (1): 40-56	1	
IIA 8.16	Kumar K, Han T	2010	Physiological response of <i>Lemna</i> species to herbicides and its probable use in toxicity testing. Toxicology and Environmental Health Sciences 2 (1):39-49. DOI: 10.1007/bf03216512.	2	
IIA 8.16	Kumar PKR, Rao AN	2007	Influence of pesticides on growth and sporulation of Ascochyta cypericola. Ann Pl Protect Sci 15 (2):530-531	1	
IIA 8.16	Kurtz ME, Street JE	2003	Response of rice (<i>Oryza sativa</i>) to glyphosate applied to simulate drift. Weed Technology 17 (2):234-238	1	
IIA 8.16	Kyaw KM, Toyota K	2007	Suppression of nitrous oxide production by the herbicides glyphosate and propanil in soils supplied with organic matter. Soil Science and Plant Nutrition 53 (4):441-447. DOI 10.1111/j.1747-0765.2007.00151.x.	1	
IIA 8.16	Laatikainen T, Heinonen-Tanski H	2002	Mycorrhizal growth in pure cultures in the presence of pesticides. Microbiological Research 157 (2):127-137	1	

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IIA 8.16	Lajmanovich R, Lorenzatti E, Maitre MI, Enrique S, Peltzer P	2003	Comparative acute toxicity of the commercial herbicides glyphosate to neotropical tadpoles <i>Scinax nasicus</i> (Anura : Hylidae). <i>Fresenius Environmental Bulletin</i> 12 (4):364-367	2	
IIA 8.16	Lajmanovich RC, Attademo AM, Peltzer PM, Junges CM, Cabagna MC	2011	Toxicity of Four Herbicide Formulations with Glyphosate on <i>Rhinella arenarium</i> (Anura: Bufonidae) Tadpoles: B-esterases and Glutathione S-transferase Inhibitors. <i>Arch Environ Contam Toxicol</i> 60 (4):681-9. DOI: 10.1007/s00244-010-9578-2.	3	K
IIA 8.16	Lajmanovich RC, Peltzer PM, Junges CM, Attademo AM, Sanchez LC, Bassó A	2010	Activity levels of B-esterases in the tadpoles of 11 species of frogs in the middle Paraná River floodplain: Implication for ecological risk assessment of soybean crops. <i>Ecotoxicology and Environmental Safety</i> 73 (7):1517-1524. DOI: 10.1016/j.ecoenv.2010.07.047.	3	K
IIA 8.16	Lajmanovich RC, Sandoval MT, Peltzer PM	2003	Induction of mortality and malformation in <i>Scinax nasicus</i> tadpoles exposed to glyphosate formulations. <i>Bulletin of Environmental Contamination and Toxicology</i> 70 (3):612-618. DOI 10.1007/s00128-003-0029-x.	2 E	K
IIA 8.16	Lancaster SH, Haney RL, Senseman SA, Hons FM, Chandler JM	2006	Soil microbial activity is affected by Roundup WeatherMax and pesticides applied to cotton (<i>Gossypium hirsutum</i>). <i>J Agric Food Chem</i> 54 (19):7221-6. DOI: 10.1021/jf061673p.	2	
IIA 8.16 Also listed under IIA 7.13	Lancaster SH, Hollister EB, Senseman SA, Gentry TJ	2010	Effects of repeated glyphosate applications on soil microbial community composition and the mineralization of glyphosate. <i>Pest Manag Sci</i> 66 (1):59-64. DOI: 10.1002/ps.1831.	2	
IIA 8.16 Also listed under IIA 7.13	Lane M, Lorenz N, Saxena J, Ramsier C, Dick RP	2012	Microbial activity, community structure and potassium dynamics in rhizosphere soil of soybean plants treated with glyphosate. <i>Pedobiologia</i> 55 (3):153-159. doi: 10.1016/j.pedobi.2011.12.005.	1	
IIA 8.16	Langiano VdC, Martinez CBR	2008	Toxicity and effects of a glyphosate-based herbicide on the Neotropical fish <i>Prochilodus lineatus</i> . <i>Comparative Biochemistry and Physiology Part C: Toxicology & Pharmacology</i> 147 (2):222-231	2	

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IIA 8.16	Larson RL, Hill AL, Fenwick A, Kniss AR, Hanson LE, Miller SD	2006	Influence of glyphosate on Rhizoctonia and Fusarium root rot in sugar beet. Pest Management Science 62 (12):1182-1192. Doi 10.1002/ps.1297.	2	
IIA 8.16	Le TH, Lim ES, Lee SK, Choi YW, Kim YH, Min J	2010	Effects of glyphosate and methidathion on the expression of the Dhb, Vtg, Arnt, CYP4 and CYP314 in <i>Daphnia magna</i> . Chemosphere 79 (1): 67-71. DOI: 10.1016/j.chemosphere.2009.12.067.	3	K
IIA 8.16	Lee CD, Penner D, Hammerschmidt R	2003	Glyphosate and shade effects on glyphosate-resistant soybean defense response to <i>Scletotinia sclerotiorum</i> . Weed Science 51 (3):294-298	1	
IIA 8.16	Lenkowski JR, Sanchez-Bravo G, McLaughlin KA	2010	Low concentrations of atrazine, glyphosate, 2,4-dichlorophenoxyacetic acid, and triadimefon exposures have diverse effects on <i>Xenopus laevis</i> organ morphogenesis. J Environ Sci (China) 22 (9):1305-8	2	
IIA 8.16	Li J, Wang H, Han Z, Shi S, Wang Y, Ding J	2010	Acute toxicity of eight pesticides on the development of sea urchin embryos. Asian Journal of Ecotoxicology (Shengtai Duli Xuebao) 5 (2):255-261	2	
IIA 8.16	Li SN, Kole RK	2004	Response of gill ATPase and liver esterase of <i>pseudorasobora parva</i> to a two month exposure to glyphosate and metsulfuron methyl. Toxicological & Environmental Chemistry 86 (4):239 - 245	2	
IIA 8.16	Lindsay EA, French K	2004	The impact of the herbicide glyphosate on leaf litter invertebrates within Bitou bush, <i>Chrysanthemoides monilifera</i> ssp <i>rotundata</i> , infestations. Pest Management Science 60 (12):1205-1212. Doi 10.1002/ps.944.	1	
IIA 8.16	Lins VS, Santos H, Goncalves MC	2007	The effect of the glyphosate, 2,4-D, atrazine e nicosulfuron herbicides upon the edaphic collembola (Arthropoda : Ellipura) in a no tillage system. Neotropical Entomology 36 (2):261-267	1	
IIA 8.16	Liphadzi KB, Al-Khatib K, Bensch CN, Stahlman PW, Dille JA, Todd T, Rice CW, Horak MJ, Head G	2005	Soil microbial and nematode communities as affected by glyphosate and tillage practices in a glyphosate-resistant cropping system. Weed Science 53 (4):536-545	1	

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IIA 8.16	Lipok J	2009	Dual action of phosphonate herbicides in plants affected by herbivore-Model study on black bean aphid <i>Aphis fabae</i> rearing on broad bean <i>Vicia faba</i> plants. <i>Ecotoxicology and Environmental Safety</i> 72 (6): 1701-1706. DOI: 10.1016/j.ecoenv.2009.03.007.	1	
IIA 8.16	Lipok J, Studnik H, Gruyaert S	2010	The toxicity of Roundup® 360 SL formulation and its main constituents: Glyphosate and isopropylamine towards non-target water photoautotrophs. <i>Ecotoxicology and Environmental Safety</i> 73 (7): 1681-1688. DOI: 10.1016/j.ecoenv.2010.08.017	3	K
IIA 8.16	Lo C-C	2010	Effect of pesticides on soil microbial community. <i>Journal of Environmental Science and Health, Part B</i> 45 (5):348-359. DOI: 10.1080/03601231003799804.	1	
IIA 8.16	Locke MA, Zablotowicz RM, Reddy KN	2008	Integrating soil conservation practices and glyphosate-resistant crops: impacts on soil. <i>Pest Manag Sci</i> 64 (4):457-69. DOI: 10.1002/ps.1549.	1	
IIA 8.16	Lu L-l, Zhang G-l, Li Y-d, Gao X-w, Fu W-d	2010	Effects of Glyphosate on the Growth and Development of Agasicles hygrophila. <i>Journal of South China Agricultural University</i> 31 (1): 22-25	1	
IIA 8.16	Lupwayi NZ, Harker KN, Clayton GW, O'Donovan JT, Blackshaw RE	2009	Soil microbial response to herbicides applied to glyphosate-resistant canola. <i>Agriculture Ecosystems & Environment</i> 129 (1-3):171-176. DOI 10.1016/j.agee.2008.08.007.	1	
IIA 8.16	Lupwayi NZ, Harker KN, Clayton GW, Turkington TK, Rice WA, O'Donovan JT	2004	Soil microbial biomass and diversity after herbicide application. <i>Canadian Journal of Plant Science</i> 84 (2):677-685	1	
IIA 8.16	Lushchak OV, Kubrak OI, Storey JM, Storey KB, Lushchak VI	2009	Low toxic herbicide Roundup induces mild oxidative stress in goldfish tissues. <i>Chemosphere</i> 76 (7):932-7. DOI: 10.1016/j.chemosphere.2009.04.045.	1	

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IIA 8.16	Lynch JD, Arroyo SB	2009	Risks to Colombian amphibian fauna from cultivation of coca (Erythroxylum coca): a geographical analysis. <i>J Toxicol Environ Health A</i> 72 (15):974-85. DOI: 10.1080/15287390902929733	2	
IIA 8.16	Ma J	2002	Differential sensitivity to 30 herbicides among populations of two green algae <i>Scenedesmus obliquus</i> and <i>Chlorella pyrenoidosa</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> 68 (2):275-281	1	
IIA 8.16	Ma J, Liang W	2001	Acute toxicity of 12 herbicides to the green algae <i>Chlorella pyrenoidosa</i> and <i>Scenedesmus obliquus</i> . <i>Bull Environ Contam Toxicol</i> 67 (3):347-51	1	
IIA 8.16	Ma J, Liang W, Xu L, Wang S, Wei Y, Lu J	2001	Acute toxicity of 33 herbicides to the green alga <i>Chlorella pyrenoidosa</i> . <i>Bull Environ Contam Toxicol</i> 66 (4):536-41	1	
IIA 8.16	Ma J, Lin F, Wang S, Xu L	2003	Toxicity of 21 herbicides to the green alga <i>Scenedesmus quadricauda</i> . <i>Bulletin of Environmental Contamination and Toxicology</i> 71 (3): 594-601. DOI 10.1007/s00128-003-8521-x.	1	
IIA 8.16	Ma JY, Wang SF, Wang PW, Ma LJ, Chen XL, Xu RF	2006	Toxicity assessment of 40 herbicides to the green alga <i>Raphidocelis subcapitata</i> . <i>Ecotoxicology and Environmental Safety</i> 63 (3):456-462. DOI 10.1016/j.ecoenv.2004.12.001.	1	
IIA 8.16	Ma JY, Xu LG, Wang SF	2002	A quick, simple, and accurate method of screening herbicide activity using green algae cell suspension cultures. <i>Weed Science</i> 50 (5): 555-559	1	
IIA 8.16	Ma JY, Xu LG, Wang SF, Zheng RQ, Jin SH, Huang SQ, Huang YJ	2002	Toxicity of 40 herbicides to the green alga <i>Chlorella vulgaris</i> . <i>Ecotoxicology and Environmental Safety</i> 51 (2):128-132. DOI 10.1006/eesa.2001.2113.	1	
IIA 8.16	Magbanua FS, Townsend CR, Blackwell GL, Phillips N, Matthaei CD	2010	Responses of stream macroinvertebrates and ecosystem function to conventional, integrated and organic farming. <i>Journal of Applied Ecology</i> 47 (5):1014-1025. DOI: 10.1111/j.1365-2664.2010.01859.x.	1	

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IIA 8.16	Mailloux J, Le Bellec F, Kreiter S, Tixier M-S, Dubois P	2010	Influence of ground cover management on diversity and density of phytoseiid mites (Acari: Phytoseiidae) in Guadeloupean citrus orchards. Experimental and Applied Acarology 52 (3):275-290. DOI: 10.1007/s10493-010-9367-7.	1	
IIA 8.16 Also listed under IIA 7.13	Major WW, Grue CE, Gardner SC, Grassley JM	2003	Concentrations of glyphosate and AMPA in sediment following operational applications of Rodeo (R) to control smooth cordgrass in Willapa Bay, Washington, USA. Bulletin of Environmental Contamination and Toxicology 71 (5):912-918. DOI 10.1007/s00128-003-8905-y.	1	
IIA 8.16	Malkomes HP	2007	Influence of differently formulated glyphosate herbicides and a herbicidal reference compound on microbial activities in soil. Nachrichtenbl. Deut. Pflanzenschutzd. 59 (6):124-132	1	
IIA 8.16	Malty JD, Siqueira JO, Moreira FMD	2006	Effects of glyphosate on soybean symbiotic microorganisms, in culture media and in greenhouse. Pesquisa Agropecuaria Brasileira 41 (2): 285-291	1	
IIA 8.16	Mann RM, Bidwell JR	2001	The acute toxicity of agricultural surfactants to the tadpoles of four Australian and two exotic frogs. Environ Pollut 114 (2):195-205	1	
IIA 8.16	Mann RM, Bidwell JR, Tyler MJ	2003	Toxicity of herbicide formulations to frogs and the implications for product registration: A case study from Western Australia. Applied Herpetology 1:13-22	1	
IIA 8.16	Mann RM, Hyne RV, Choung CB, Wilson SP	2009	Amphibians and agricultural chemicals: Review of the risks in a complex environment. Environmental Pollution 157 (11):2903-2927. DOI 10.1016/j.envpol.2009.05.015.	2	
IIA 8.16	Manzoni CG, Grutzmacher AD, Giolo FP, Harter WD, Muller C	2006	Side effects of pesticides used in integrated production of apple in adults of Trichogramma pretiosum. Pesquisa Agropecuaria Brasileira 41 (10):1461-1467	1	

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IIA 8.16	Marc J, Le Breton M, Cormier P, Morales J, Belle R, Mulner-Lorillon O	2005	A glyphosate-based pesticide impinges on transcription. Toxicology and Applied Pharmacology 203 (1):1-8. DOI 10.1016/j.taap.2004.07.014.	3 E	K
IIA 8.16	Marc J, Mulner-Lorillon O, Boulben S, Hureau D, Durand G, Belle R	2002	Pesticide roundup provokes cell division dysfunction at the level of CDK1/cyclin B activation. Chemical Research in Toxicology 15 (3):326-331. Doi 10.1021/Tx015543g.	2 E	K
IIA 8.16	Marchand J, Tanguy A, Charrier G, Quiniou L, Plee-Gauthier E, Laroche J	2006	Molecular identification and expression of differentially regulated genes of the European flounder, <i>Platichthys flesus</i> , submitted to pesticide exposure. Mar Biotechnol (NY) 8 (3):275-94. DOI: 10.1007/s10126-005-0099-3.	2	
IIA 8.16	Martin ML, Ronco AE	2006	Effect of mixtures of pesticides used in the direct seeding technique on nontarget plant seeds. Bull Environ Contam Toxicol 77 (2):228-36. DOI: 10.1007/s00128-006-1054-3.	1	
IIA 8.16	Massenssini AM, Costa MD, Reis MR, Silva AA	2008	Activity of Phosphate Solubilizing Bacterial Isolates in the Presence of Commercial Glyphosate Formulations. Planta Daninha 26 (4):815-823	1	
IIA 8.16	Mataczyk JA, Willis AJ, Vranjic JA, Ash JE	2002	Herbicides, weeds and endangered species: management of bitou bush (<i>Chrysanthemoides monilifera</i> ssp <i>rotundata</i>) with glyphosate and impacts on the endangered shrub, <i>Pimelea spicata</i> . Biological Conservation 108 (2):133-141	1	
IIA 8.16	Matschke J, Machackoya I	2002	Changes in the content of indole-3-acetic acid and cytokinins in spruce, fir and oak trees after herbicide treatment. Biologia Plantarum 45 (3):375-382	2	
IIA 8.16	McComb BC, Curtis L, Chambers CL, Newton M, Bentson K	2008	Acute toxic hazard evaluations of glyphosate herbicide on terrestrial vertebrates of the Oregon coast range. Environ Sci Pollut Res Int 15 (3):266-72	1	

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IIA 8.16 Also listed under IIA 5.10	McCoy KA, Bortnick LJ, Campbell CM, Hamlin HJ, Guillette LJ, St Mary CM	2008	Agriculture alters gonadal form and function in the toad <i>Bufo marinus</i> . <i>Environ Health Perspect</i> 116 (11):1526-32. DOI: 10.1289/ehp.11536.	1	
IIA 8.16	McCoy KA, Hoang LK, Guillette LJ, Jr., St Mary CM	2008	Renal pathologies in giant toads (<i>Bufo marinus</i>) vary with land use. <i>Sci Total Environ</i> 407 (1):348-57. DOI: 10.1016/j.scitotenv.2008.09.008.	1	
IIA 8.16 Also listed under IIA 5.10	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 (<i>Rana pipiens</i>) and green frogs (<i>Rana clamitans</i>) from areas of intensive row crop agriculture. <i>Aquat Toxicol</i> 88 (4):230-42. DOI: 10.1016/j.aquatox.2008.05.002.	1	
IIA 8.16	McMullin RT, Bell FW, Newmaster SG	2012	The effects of triclopyr and glyphosate on lichens. <i>Forest Ecology and Management</i> 264:90-97. doi: 10.1016/j.foreco.2011.09.039.	1	
IIA 8.16	Means NE, Kremer RJ	2007	Influence of soil moisture on root colonization of glyphosate-treated soybean by <i>Fusarium</i> species. <i>Communications in Soil Science and Plant Analysis</i> 38 (13-14):1713-1720. Doi 10.1080/00103620701435472.	1	
IIA 8.16	Means NE, Kremer RJ, Ramsier C	2007	Effects of glyphosate and foliar amendments on activity of microorganisms in the soybean rhizosphere. <i>J Environ Sci Health B</i> 42 (2):125-32. DOI: 10.1080/03601230601123227.	1	
IIA 8.16	Melhoranca Filho AL, Pereira MRR, Martins D	2011	Effect Of Subdoses Glyphosate On The Germination Of Seeds Of Soybean Cultivars RR And Conventional. <i>Bioscience Journal</i> 27 (5): 686-691	1	
IIA 8.16	Melnichuk SD, Scherban YP, Lokhanskaya VI	2007	Effects of Fakel herbicide on vital activity of <i>Ceriodaphnia affinis</i> in acute and chronic experiments. <i>Hydrobiological Journal</i> 43 (6):83-91. doi: 10.1615/HydrobJ.v43.i6.70.	1	
IIA 8.16	Mendes D, Pitelli RA, Coelho L	2004	Effect of herbicide concentrations on biological aspects of <i>Fusarium</i> sp. (isolation FCAV#940). <i>Planta Daninha</i> 22 (1):85-93	1	

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evalu ation / Translat ion
IIA 8.16 Also listed under IIA 5.10	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 8.16	Menezes C, Fonseca M, Loro V, Santi A, Cattaneo R, Clasen B, Pretto A, Morsch V	2011	Roundup Effects on Oxidative Stress Parameters and Recovery Pattern of <i>Rhamdia quelen</i> . Archives of Environmental Contamination and Toxicology 60 (4):665-671. DOI: 10.1007/s00244-010-9574-6.	3	K
IIA 8.16	Mensah PK, Muller WJ, Palmer CG	2011	Acute toxicity of Roundup® herbicide to three life stages of the freshwater shrimp <i>Caridina nilotica</i> (Decapoda: Atyidae). Physics and Chemistry of the Earth, Parts A/B/C36 (14–15):905-909. DOI: 10.1016/j.pce.2011.07.071	3	K
IIA 8.16	Meriles JM, Gil SV, Haro RJ, March GJ, Guzman CA	2008	Selected soil-borne fungi under glyphosate application and crop residues from a long-term field experiment. Biological Agriculture & Horticulture 26:193-205	1	
IIA 8.16	Meriles JM, Gil SV, Haro RJ, March GJ, Guzman CA	2006	Glyphosate and previous crop residue effect on deleterious and beneficial soil-borne fungi from a peanut-corn-soybean rotations. Journal of Phytopathology 154 (5):309-316	2	
IIA 8.16	Michalková V, Pekár S	2009	How glyphosate altered the behaviour of agrobiont spiders (Araneae: Lycosidae) and beetles (Coleoptera: Carabidae). Biological Control 51 (3):444-449	1	
IIA 8.16	Michel A, Johnson RD, Duke SO, Scheffler BE	2004	Dose-response relationships between herbicides with different modes of action and growth of <i>Lemna paucicostata</i> : An improved ecotoxicological method. Environmental Toxicology and Chemistry 23 (4):1074-1079	1	
IIA 8.16	Mijangos I, Becerril JM, Albizu I, Epelde L, Garbisu C	2009	Effects of glyphosate on rhizosphere soil microbial communities under two different plant compositions by cultivation-dependent and -independent methodologies. Soil Biology & Biochemistry 41 (3): 505-513. DOI 10.1016/j.soilbio.2008.12.009.	1	

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IIA 8.16	Milosevic NA, Govederica MM	2002	Effect of herbicides on microbiological properties of soil. Proceedings for Natural Sciences (Matica Srpska Nove Sad) 102 (5):21	1	
IIA 8.16	Mirande L, Haramboure M, Smagghe G, Pineda S, Schneider MI	2010	Side-effects of glyphosate on the life parameters of Eriopis connexa (Coleoptera: Coccinellidae) in Argentina. Commun Agric Appl Biol Sci 75 (3):367-72	3	K
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IIA 8.16	Modesto KA, Martinez CBR	2010	Roundup® causes oxidative stress in liver and inhibits acetylcholinesterase in muscle and brain of the fish Prochilodus lineatus. Chemosphere 78 (3):294-299. DOI: 10.1016/j.chemosphere.2009.10.047.	1	
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IIA 8.16	Mohamed AH	2011	Sublethal toxicity of Roundup to immunological and molecular aspects of Biomphalaria alexandrina to Schistosoma mansoni infection. Ecotoxicology and Environmental Safety 74 (4):754-760. DOI: 10.1016/j.ecoenv.2010.10.037.	3	K
IIA 8.16	Moldes CA, Camina JM, Medici LO, Tsai SM, Azevedo RA	2012	Physiological effects of glyphosate over amino acid profile in conventional and transgenic soybean (Glycine max). Pesticide Biochemistry and Physiology. doi: 10.1016/j.pestbp.2011.12.004.	2	
IIA 8.16	Moldes CA, Medici LO, Abrahao OS, Tsai SM, Azevedo RA, Tsai SM	2008	Biochemical responses of glyphosate resistant and susceptible soybean plants exposed to glyphosate. Acta Physiologiae Plantarum 30 (4): 469-479. doi: 10.1007/s11738-008-0144-8.	1	

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IIA 8.16	Moore LJ, Fuentes L, Rodgers Jr JH, Bowerman WW, Yarrow GK, Chao WY, Bridges Jr WC	2012	Relative toxicity of the components of the original formulation of Roundup® to five North American anurans. Ecotoxicology and Environmental Safety. doi: 10.1016/j.ecoenv.2011.11.025.	1	
IIA 8.16	Moreno B, Garcia-Rodriguez S, Canizares R, Castro J, Benitez E	2009	Rainfed olive farming in south-eastern Spain: Long-term effect of soil management on biological indicators of soil quality. Agriculture Ecosystems & Environment 131 (3-4):333-339. DOI 10.1016/j.agee.2009.02.011.	1	
IIA 8.16	Morjan WE, Pedigo LP, Lewis LC	2002	Fungicidal effects of glyphosate and glyphosate formulations on four species of entomopathogenic fungi. Environmental Entomology 31 (6): 1206-1212	1	
IIA 8.16 Also listed under IIA 7.13	Motavalli PP, Kremer RJ, Fang M, Means NE	2004	Impact of genetically modified crops and their management on soil microbially mediated plant nutrient transformations. Journal of Environmental Quality 33 (3):816-824	1	
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IIA 8.16	Nakamura A, Catterall CP, Kitching RL, House APN, Burwell CJ	2008	Effects of glyphosate herbicide on soil and litter macro-arthropods in rainforest: Implications for forest restoration. Ecological Management & Restoration 9 (2):126-133. DOI: 10.1111/j.1442-8903.2008.00404.x.	1	
IIA 8.16	Nandula VK, Reddy KN, Rimando AM, Duke SO, Poston DH	2007	Glyphosate-resistant and -susceptible soybean (<i>Glycine max</i>) and canola (<i>Brassica napus</i>) dose response and metabolism relationships with glyphosate. Journal of Agricultural and Food Chemistry 55 (9): 3540-3545. doi: 10.1021/jf0635681.	1	
IIA 8.16 Also listed under IIA 5.10	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 <i>Caenorhabditis elegans</i> . NeuroToxicology 32 (3):331-341. DOI: 10.1016/j.neuro.2011.02.002.	1 (8.16) 3 (5.10)	

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evalu ation / Transl ation
IIA 8.16	Nelson KA, Renner KA, Hammerschmidt R	2002	Cultivar and herbicide selection affects soybean development and the incidence of Sclerotinia stem rot. <i>Agronomy Journal</i> 94 (6):1270-1281.	1	
IIA 8.16	Njiti VN, Myers Jr. O, Schroeder D, Lightfoot DA	2003	Roundup Ready Soybean: Glyphosate Effects on <i>Fusarium solani</i> Root Colonization and Sudden Death Syndrome. <i>Agron J.</i> 95 (1140-1145)	1	
IIA 8.16	Noel GR, Wax LM	2009	Heterodera glycines population development on soybean treated with glyphosate. <i>Nematoxpica</i> 39 (2):247-253	1	
IIA 8.16	Nornberg SD, Grutzmacher AD, Giolo FP, Junior GJE, Lima CAB, Grutzmacher DD	2008	Selectivity of glyphosate formulations applied on miniature stages of <i>Trichogramma pretiosum</i> <i>Planta Daninha</i> 26 (3):611-617	1	
IIA 8.16 Also listed under IIA 5.10	Oliveira AG, Telles LF, Hess RA, Mahecha GA, Oliveira CA	2007	Effects of the herbicide Roundup on the epididymal region of drakes <i>Anas platyrhynchos</i> . <i>Reprod Toxicol</i> 23 (2):182-91. DOI: 10.1016/j.reprotox.2006.11.004.	3	K
IIA 8.16	Olszyk D, Pfleeger T, Lee EH, Plocher M	2010	Potato (<i>Solanum Tuberosum</i>) Greenhouse Tuber Production as an Assay for Asexual Reproduction Effects from Herbicides. <i>Environmental Toxicology and Chemistry</i> 29 (1):111-121. Doi 10.1002/etc.12.	2	
IIA 8.16	Olszyk DM, Curdick CA, Pfleeger TG, Lee EH, Watrud LS	2004	Assessing the risks to non-target terrestrial plants from herbicides. <i>J Agric Meteorol</i> 60 (4):221-242	1	
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IIA 8.16	Ortiz BV, Thomson SJ, Huang Y, Reddy KN, Ding W	2011	Determination of differences in crop injury from aerial application of glyphosate using vegetation indices. <i>Computers and Electronics in Agriculture</i> 77 (2):204-213. DOI: 10.1016/j.compag.2011.05.004.	1	

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IIA 8.16	Ortiz-Ordoñez E, Uría-Galicia E, Ruiz-Picos R, Sánchez Duran A, Hernández Trejo Y, Sedeño-Díaz J, López-López E	2011	Effect of Yerbimat Herbicide on Lipid Peroxidation, Catalase Activity, and Histological Damage in Gills and Liver of the Freshwater Fish Goodea Atripinnis. Archives of Environmental Contamination and Toxicology 61 (3):443-452. DOI: 10.1007/s00244-011-9648-0.	1	
IIA 8.16	Ortiz-Santaliestra M, Fernández-Benéitez M, Lizana M, Marco A	2011	Influence of a Combination of Agricultural Chemicals on Embryos of the Endangered Gold-Striped Salamander (<i>Chioglossa lusitanica</i>). Archives of Environmental Contamination and Toxicology 60 (4):672-680. DOI: 10.1007/s00244-010-9570-x.	2	
IIA 8.16	Ouyang F	2010	Experimental Study on the Acute Toxicity of Two Pesticides to <i>Rana catesbeiana</i> Tadpole. Journal of Xinxiang University (Natural Science Edition) 27 (4):63-64	2	
IIA 8.16	Pankey JH, Griffin JL, Colyer PD, Schneider RW, Miller DK	2005	Preemergence herbicide and glyphosate effects on seedling diseases in glyphosate-resistant cotton. Weed Technology 19 (2):312-318	1	
IIA 8.16	Papchenkova G, Golovanova I, Ushakova N	2009	The parameters of reproduction, sizes, and activities of hydrolases in <i>Daphnia magna</i> straus of successive generations affected by Roundup herbicide. Inland Water Biology 2 (3):286-291. DOI: 10.1134/s1995082909030158.	2	
IIA 8.16	Pasaribu A, Mohamad RB, Awang Y, Othman R, Puteh A	2011	Growth and development of symbiotic Arbuscular mycorrhizal fungi, Glomus mossea (Nicol. and Gerd.), in alachlor and glyphosate treated soils. African Journal of Biotechnology 10 (55):11520-11526	1	
IIA 8.16	Pereira JL, Antunes SC, Castro BB, Marques CR, Goncalves AMM, Goncalves F, Pereira R	2009	Toxicity evaluation of three pesticides on non-target aquatic and soil organisms: commercial formulation versus active ingredient.	1	

Annex point/ reference number	Author(s)	Year	Title Citation	Category	Evalu ation / Translat ion
IIA 8.16	Perez GL, Torremorell A, Mugni H, Rodriguez P, Solange Vera M, do Nascimento M, Allende L, Bustingorry J, Escaray R, Ferraro M, Izaguirre I, Pizarro H, Bonetto C, Morris DP, Zagarese H	2007	Effects of the herbicide Roundup on freshwater microbial communities: a mesocosm study. <i>Ecol Appl</i> 17 (8):2310-22	1	
IIA 8.16	Perez GL, Vera MS, Miranda LA	2011	Effects of Herbicide Glyphosate and Glyphosate-Based Formulations on Aquatic Ecosystems. In <i>Herbicides and Environment</i> , edited by Kortekamp, Croatia. InTech. Chapter 16, pp 343 - 368	4	
IIA 8.16	Pesce S, Batisson I, Bardot C, Fajon C, Portelli C, Montuelle B, Bohatier J	2009	Response of spring and summer riverine microbial communities following glyphosate exposure. <i>Ecotoxicol Environ Saf</i> 72 (7): 1905-12. DOI: 10.1016/j.ecoenv.2009.07.004.	1	
IIA 8.16 Also listed under IIA 7.13	Pesce S, Fajon C, Bardot C, Bonnemoy F, Portelli C, Bohatier J	2008	Longitudinal changes in microbial planktonic communities of a French river in relation to pesticide and nutrient inputs. <i>Aquat Toxicol</i> 86 (3): 352-60. DOI: 10.1016/j.aquatox.2007.11.016.	2	
IIA 8.16	Pettersson M, Ekelund NGA	2006	Effects of the herbicides roundup and avans on <i>Euglena gracilis</i> . <i>Archives of Environmental Contamination and Toxicology</i> 50 (2): 175-181. DOI 10.1007/s00244-004-0042-z.	1	
IIA 8.16	Pfleeger T, Olszyk D, Lee EH, Plocher M	2011	Comparing Effects of Low Levels of Herbicides on Greenhouse- and Field-Grown Potatoes (<i>Solanum Tuberosum L.</i>), Soybeans (<i>Glycine Max L.</i>), and Peas (<i>Pisum Sativum L.</i>). <i>Environmental Toxicology and Chemistry</i> 30 (2):455-468. Doi 10.1002/etc.394.	3	K
IIA 8.16	Pfleeger T, Olszyk D, Plocher M, Yilma S	2008	Effects of low concentrations of herbicides on full-season, field-grown potatoes. <i>J Environ Qual</i> 37 (6):2070-82. DOI: 10.2134/jeq2007.0376.	1	
IIA 8.16	Pierre J, Marsault D, Genecque E, Renard M, Champolivier J, Pham-Delegue MH	2003	Effects of herbicide-tolerant transgenic oilseed rape genotypes on honey bees and other pollinating insects under field conditions. <i>Entomologia Experimentalis Et Applicata</i> 108 (3):159-168	1	

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IIA 8.16 Also listed under IIA 5.10	Piesova E	2005	The effect of glyphosate on the frequency of micronuclei in bovine lymphocytes in vitro. <i>Acta Veterinaria-Beograd</i> 55 (2-3):101-109	1	
IIA 8.16	Piha H, Pekkonen M, Merilä J	2006	Morphological Abnormalities in Amphibians in Agricultural Habitats: A Case Study of the Common Frog <i>Rana temporaria</i> . <i>Copeia</i> 4: 810-817 4:810-817. DOI: 10.1643/0045-8511.	3 K	
IIA 8.16	Piotrowicz-Cieslak AI, Adomas B, Michalczyk DJ	2010	Different Glyphosate Phytotoxicity of Seeds and Seedlings of Selected Plant Species. <i>Polish Journal of Environmental Studies</i> 19 (1):123-129	3 K	
IIA 8.16	Pline WA, Wilcut JW, Edmisten KL, Wells R	2002	Physiological and morphological response of glyphosate-resistant and non-glyphosate-resistant cotton seedlings to root-absorbed glyphosate. <i>Pesticide Biochemistry and Physiology</i> 73 (1):48-58	3 K	
IIA 8.16	Poletta GL, Kleinsorge E, Paonessa A, Mudry MD, Larriera A, Siroski PA	2011	Genetic, enzymatic and developmental alterations observed in Caiman latirostris exposed in ovo to pesticide formulations and mixtures in an experiment simulating environmental exposure. <i>Ecotoxicology and Environmental Safety</i> 74 (4):852-859. DOI: 10.1016/j.ecoenv.2010.12.005.	1	
IIA 8.16 Also listed under IIA 5.10	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. <i>Mutation Research-Genetic Toxicology and Environmental Mutagenesis</i> 672 (2):95-102. DOI 10.1016/j.mrgentox.2008.10.007.	3 (8.16) 2 (5.10) K	
IIA 8.16	Powell JR, Campbell RG, Dunfield KE, Gulden RH, Hart MM, Levy-Booth DJ, Klironomos JN, Pauls KP, Swanton CJ, Trevors JT, Antunes PM	2009	Effect of glyphosate on the tripartite symbiosis formed by <i>Glomus intraradices</i> , <i>Bradyrhizobium japonicum</i> , and genetically modified soybean. <i>Applied Soil Ecology</i> 41 (1):128-136. DOI 10.1016/j.apsoil.2008.10.002.	1	

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IIA 8.16	Powell JR, Levy-Booth DJ, Gulden RH, Asbil WL, Campbell RG, Dunfield KE, Hamill AS, Hart MM, Lerat S, Nurse RE, Pauls KP, Sikkema PH, Swanton CJ, Trevors JT, Klironomos JN	2009	Effects of genetically modified, herbicide-tolerant crops and their management on soil food web properties and crop litter decomposition. Journal of Applied Ecology 46 (2):388-396. DOI 10.1111/j.1365-2664.2009.01617.x.	1	
IIA 8.16	Powell JR, Swanton CJ	2008	A critique of studies evaluating glyphosate effects on diseases associated with Fusarium spp. Weed Research 48 (4):307-318	2	
IIA 8.16	Progar RA, Markin G, Milan J, Barbouletos T, Rinella MJ	2010	Inundative Release of Aphthona spp. Flea Beetles (Coleoptera: Chrysomelidae) as a Biological "Herbicide" on Leafy Spurge in Riparian Areas. Journal of Economic Entomology 103 (2):242-248. DOI: 10.1603/ec09294.	1	
IIA 8.16 Also listed under IIA 7.13	Puertolas L, Damasio J, Barata C, Soares AM, Prati N	2010	Evaluation of side-effects of glyphosate mediated control of giant reed (<i>Arundo donax</i>) on the structure and function of a nearby Mediterranean river ecosystem. Environ Res 110 (6):556-64. DOI: 10.1016/j.envres.2010.05.004.	2	
IIA 8.16 Furthermore, this document may fall under the permission of its owner. Publication or its contents without the permission of its owner is prohibited and violate the rights of its owner.	Puglis H, Boone M	2011	Effects of Technical-Grade Active Ingredient vs. Commercial Formulation of Seven Pesticides in the Presence or Absence of UV Radiation on Survival of Green Frog Tadpoles. Archives of Environmental Contamination and Toxicology 60 (1):145-155. DOI: 10.1007/s00244-010-9528-z.	2	
IIA 8.16	Quaranta A, Bellantuono V, Cassano G, Lippe C	2009	Why Amphibians Are More Sensitive than Mammals to Xenobiotics. PLoS ONE 4 (11):e7699	1	
IIA 8.16 Also listed under IIA 5.10	Quassinti L, Maccari E, Murri O, Bramucci M	2009	Effects of paraquat and glyphosate on steroidogenesis in gonads of the frog <i>Rana esculenta</i> in vitro. Pesticide Biochemistry and Physiology 93 (2):91-95. DOI 10.1016/j.pestbp.2008.11.006.	1	

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IIA 8.16 Also listed under IIA 5.10	Raipulis J, Toma M, Balode M	2009	Toxicity and genotoxicity testing of Roundup. Proceedings of the Latvian Academy of Sciences. Section B. Natural, Exact, and Applied Sciences. 63 (1-2):29-32. doi: 10.2478/v10046-009-0009-6.	2	
IIA 8.16	Ramah K	2011	Histopathological study on the effect of rice herbicides on grass carp (Ctenopharyngodon idella). African Journal of Biotechnology 10 (7): 1112-1116	1	
IIA 8.16	Ramírez DW, Rondón BI, Vidal BH, Eslava MP	2009	Acute toxicity and histopathological lesions in silver Pacu (<i>Piaractus brachypomus</i>) exposed to a mixture of the herbicide Roundup and the surfactant Cosmoflux 4HF. Revista MVZ Córdoba 14 (1):1563-1575 DOI: 10.1371/journal.pone.0007699.	2	
IIA 8.16	Ramírez-Duarte WF, Rondón-Barragán IS, Eslava-Mocha PR	2008	Acute toxicity and histopathological alterations of Roundup® herbicide on "cachama blanca" (<i>Piaractus brachypomus</i>). Pesquisa Veterinária Brasileira 28:547-554. DOI: 10.1590/S0100-736X2008001100002.	2	
IIA 8.16	Ratcliff AW, Busse MD, Shestak CJ	2006	Changes in microbial community structure following herbicide (glyphosate) additions to forest soils. Applied Soil Ecology 34 (2-3): 114-124. DOI 10.1016/j.apsoil.2006.03.002.	1	
IIA 8.16	Ray P, Sushilkumar, Pandey AK	2008	Deleterious effect of herbicides on waterhyacinth biocontrol agents <i>Neochetina bruchi</i> and <i>Alternaria alternata</i> . Biocontrol Science and Technology 18 (5):523-533. Doi 10.1080/09583150802001734.	1	
IIA 8.16	Reddy KN, Abbas HK, Zablotowicz RM, Abel CA, Koger CH	2007	Mycotoxin occurrence and <i>Aspergillus flavus</i> soil propagules in a corn and cotton glyphosate-resistant cropping systems. Food Addit Contam 24 (12):1367-73. DOI: 10.1080/02652030701509964.	1	
IIA 8.16 Also listed under IIA 7.13	Reddy KN, Bellaloui N, Zablotowicz RM	2010	Glyphosate effect on shikimate, nitrate reductase activity, yield, and seed composition in corn. J Agric Food Chem 58 (6):3646-50. DOI: 10.1021/jf904121y.	2	K

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IIA 8.16	Reddy KN, Rimando AM, Duke SO	2004	Aminomethylphosphonic acid, a metabolite of glyphosate, causes injury in glyphosate-treated, glyphosate-resistant soybean. Journal of Agricultural and Food Chemistry 52 (16):5139-5143. doi:10.1021/Jf049605v.	3 E	K
IIA 8.16	Reddy SR	2010	Effect of Herbicides on Mycoflora of Rice Field Soils. Journal of Mycology and Plant Pathology 40 (3):450-453	1	
IIA 8.16	Reis MR, Silva AA, J.L. P. Freitas MAM, Costa MD, Silva MCS, Santos EA, Franca AC, Ferreira GL	2010	Impact of Glyphosate Associated with Endosulphan and Tebuconazole, on the Endosymbiotic Microorganisms of the Soybean. Planta Daninha 28 (1):113-121	1	
IIA 8.16	Relyea R, Hoverman J	2006	Assessing the ecology in ecotoxicology: a review and synthesis in freshwater systems. Ecology Letters 9 (10):1157-1171. DOI 10.1111/j.1461-0248.2006.00966.x.	3	K
IIA 8.16	Relyea RA	2011	Amphibians Are Not Ready for Roundup, edited by J. E. Elliott, C. A. Bishop and C. A. Morrissey. Springer New York. pp 267-300. DOI: 10.1007/978-0-387-89432-4_9.	1	
IIA 8.16	Relyea RA	2009	A cocktail of contaminants: how mixtures of pesticides at low concentrations affect aquatic communities. Oecologia 159 (2):363-76. DOI: 10.1007/s00442-008-1213-9.	1	
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IIA 8.16	Relyea RA	2005	The impact of insecticides and herbicides on the biodiversity and productivity of aquatic communities. Ecological Applications 15 (2): 618-627	3	K
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IIA 8.16	Relyea RA	2005	The lethal impacts of roundup and predatory stress on six species of North American tadpoles. Archives of Environmental Contamination and Toxicology 48 (3):351-357. DOI 10.1007/s00244-004-0086-0.	3	K
IIA 8.16	Relyea RA	2012	New effects of Roundup on amphibians: Predators reduce herbicide mortality; herbicides induce antipredator morphology. Ecological Applications 22 (2):634-647. DOI: 10.1890/11-0189.1.	3	K
IIA 8.16	Relyea RA, Jones DK	2009	The Toxicity of Roundup Original Max (R) to 13 Species of Larval Amphibians. Environmental Toxicology and Chemistry 28 (9): 2004-2008	2	
IIA 8.16	Relyea RA, Schoeppner NM, Hoverman JT	2005	Pesticides and amphibians: The importance of community context. Ecological Applications 15 (4):1125-1134	3	K
IIA 8.16	Renaud A, Poinsot-Balaguer N, Cortet J, Le Petit J	2004	Influence of four soil maintenance practices on Collembola communities in a Mediterranean vineyard. Pedobiologia 48 (5-6): 623-630. DOI 10.1016/j.pedobi.2004.07.002.	2	
IIA 8.16	Rigoli RP, Fontana LC, Figueredo SS, Noldin JA	2008	Response of beetroot (<i>Beta vulgaris</i>) and carrot (<i>Daucus carota</i>) to simulated glyphosate and clomazone drift. Planta Daninha 26 (2): 451-456	1	
IIA 8.16	Rivera D, Camelo M, Estrada G, Obando M, Bonilla R	2010	Different pesticides' effect on <i>Azotobacter chroococcum</i> growth. Rev. Colomb. Biotecnol. XII (1):94-102	1	
IIA 8.16	Rizzardi MA, Fleck NG, Agostinetto D, Balbinot Jr AA	2003	Herbicide action in plant defence mechanisms to pathogens. Ciencia Rural, Santa Maria 33 (5):957-965	2	
IIA 8.16	Roberts CW, Roberts F, Lyons RE, Kirisits MJ, Mui EJ, Finnerty J, Johnson JJ, Ferguson DJP, Coggins JR, Krell T, Coombs GH, Milhous WK, Kyle DE, Tzipori S, Barnwell J, Dame JB, Carlton J, McLeod R	2002	The shikimate pathway and its branches in apicomplexan parasites. Journal of Infectious Diseases 185:S25-S36	1	

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IIA 8.16	Rodriguez AM, Jacobo EJ	2010	Glyphosate effects on floristic composition and species diversity in the Flooding Pampa grassland (Argentina). Agriculture, Ecosystems & Environment 138 (3–4):222-231. DOI: 10.1016/j.agee.2010.05.003.	1	
IIA 8.16	Rohr JR, Raffel TR, Sessions SK, Hudson PJ	2008	Understanding the net effects of pesticides on amphibian trematode infections. Ecol Appl 18 (7):1743-53	2	
IIA 8.16	Rombke J, Waichman AV, Garcia MV	2008	Risk assessment of pesticides for soils of the Central Amazon, Brazil: comparing outcomes with temperate and tropical data. Integr Environ Assess Manag 4 (1):94-104. DOI: 10.1897/IEAM-2007-052.	1	
IIA 8.16	Romero DM, Rios de Molina MC, Juarez AB	2011	Oxidative stress induced by a commercial glyphosate formulation in a tolerant strain of Chlorella kessleri. Ecotoxicol Environ Saf 74 (4): 741-7. DOI: 10.1016/j.ecoenv.2010.10.034.	2	
IIA 8.16	Ronco MG, Ruscitti ME, Arango MC, Beltrano J	2008	Glyphosate and mycorrhization induce changes in plant growth and in root morphology and architecture in pepper plants (<i>Capsicum annuum</i> L.). Journal of Horticultural Science & Biotechnology 83 (4):497-505	2	
IIA 8.16	Rosa DD, Basseto MA, Cavariani C, Furtado EI	2010	Effect of herbicides on phytopathogenic agents. Acta Scientiarum-Agronomy 32 (3):379-383. doi: 10.4025/actasciagron.v32i3.3728.	1	
IIA 8.16	Rossi SC, da Silva MD, Piancini LDS, Ribeiro CAO, Cestari MM, de Assis HGS	2011	Sublethal Effects of Waterborne Herbicides in Tropical Freshwater Fish. Bulletin of Environmental Contamination and Toxicology 87 (6): 603-607. doi: 10.1007/s00128-011-0397-6.	1	
IIA 8.16	Ruan Z-X, Brown MT	2008	Effects of acute glyphosate exposure on the growth and physiology of <i>Nostoc sphaeroides</i> , an edible cyanobacterium of paddy rice fields. Acta Hydrobiologica Sinica [Shuisheng shengwuxue jikan] 32 (4): 462-468	1	
IIA 8.16	Ruzkova M, Ruzek L, Vorisek K, Vrablik P, Musilova D	2011	Microbiological characterization of land set-aside before and after Roundup desiccation. Plant Soil and Environment 57 (2):88-94	2	

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IIA 8.16	Saenz ME, Di Marzio WD	2009	Ecotoxicity of herbicide Glyphosate to four chlorophycean freshwater algae. <i>Limnetica</i> 28 (1):149-158	2	
IIA 8.16	Salbego J, Pretto A, Gioda CR, de Menezes CC, Lazzari R, Radunz Neto J, Baldisserotto B, Loro VL	2010	Herbicide formulation with glyphosate affects growth, acetylcholinesterase activity, and metabolic and hematological parameters in piava (<i>Leporinus obtusidens</i>). <i>Arch Environ Contam Toxicol</i> 58 (3):740-5. DOI: 10.1007/s00244-009-9464-y.	3	K
IIA 8.16 Also listed under IIA 5.10	Salvagni J, Ternus RZ, Fuentefria AM	2011	Assessment of the genotoxic impact of pesticides on farming communities in the countryside of Santa Catarina State, Brazil. <i>Genetics and Molecular Biology</i> 34 (1):122-126	2	
IIA 8.16	Sanchez D, Graca MAS, Canhoto J	2007	Testing the use of the water milfoil (<i>Myriophyllum spicatum</i> L.) in laboratory toxicity assays. <i>Bulletin of Environmental Contamination and Toxicology</i> 78 (6):421-426. DOI: 10.1007/s00128-007-9131-9.	3	K
IIA 8.16	Sanchez W, Piccini B, Maillet-Marechal E, Porcher JM	2010	Comparison of two reference systems for biomarker data analysis in a freshwater biomonitoring context. <i>Environment International</i> 36 (4): 377-382. DOI 10.1016/j.envint.2010.02.006.	2	
IIA 8.16	Sandermann H	2006	Plant biotechnology: ecological case studies on herbicide resistance. <i>Trends Plant Sci</i> 11 (7):324-8. DOI: 10.1016/j.tplants.2006.05.004.	2	
IIA 8.16	Samogo S, Yang XB, Lundeen P	2001	Field response of glyphosate-tolerant soybean to herbicides and sudden death syndrome. <i>Plant Disease</i> 85 (7):773-779	1	
IIA 8.16	Santos JB, Jacques RJS, Procopio SO, Kasuya MCM, Silva A, Santos EA	2004	Effects of different glyphosate commercial formulations on the <i>Bradyrhizobium</i> strains. <i>Planta Daninha Vicosa-MG</i> 22 (2):293-299	2	
IIA 8.16	Santos MJG, Morgado R, Ferreira NGC, Soares AMVM, Loureiro S	2011	Evaluation of the joint effect of glyphosate and dimethoate using a small-scale terrestrial ecosystem. <i>Ecotoxicology and Environmental Safety</i> 74 (7):1994-2001. DOI: 10.1016/j.ecoenv.2011.06.003.	1	

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IIA 8.16	Santos MJG, Soares AMVM, Loureiro S	2010	Joint effects of three plant protection products to the terrestrial isopod <i>Porcellionides pruinosus</i> and the collembolan <i>Folsomia candida</i> . <i>Chemosphere</i> 80 (9):1021-1030. DOI: 10.1016/j.chemosphere.2010.05.031.	1	
IIA 8.16	Sanyal D, Shrestha A	2008	Direct Effect of Herbicides on Plant Pathogens and Disease Development in Various Cropping Systems. <i>Weed Science</i> 56 (1): 155-160. doi: 10.1614/ws-07-081.1.	1	
IIA 8.16	Sarigul Z, Bekcan S	2009	Acute Toxicity of The Herbicide Glyphosate on <i>Daphnia magna</i> . Tarim Bilimeri Derigisi - <i>Journal of Agricultural Sciences</i> 15 (2):204-208	3	K T
IIA 8.16	Savin MC, Purcell LC, Daigh A, Manfredini A	2009	Response of Mycorrhizal Infection to Glyphosate Applications and P Fertilization in Glyphosate-Tolerant Soybean, Maize, and Cotton. <i>Journal of Plant Nutrition</i> 32 (10):1702-1717	1	
IIA 8.16	Saxton MA, Morrow EA, Bourbonniere RA, Wilhelm SW	2011	Glyphosate influence on phytoplankton community structure in Lake Erie. <i>Journal of Great Lakes Research</i> 37 (4):683-690. doi: 10.1016/j.jglr.2011.07.004.	1	
IIA 8.16	Schiet A	2006	Field study on the occurrence of ground beetles and spiders in genetically modified, herbicide tolerant corn in conventional and conservation tillage systems. <i>Journal of Plant Diseases and Protection. Special Edition XX</i> :101-113	1	
IIA 8.16	Schneider MI, Sanchez N, Pineda S, Chi H, Ronco A	2009	Impact of glyphosate on the development, fertility and demography of <i>Chrysoperla externa</i> (Neuroptera: Chrysopidae): ecological approach. <i>Chemosphere</i> 76 (10):1451-5. DOI: 10.1016/j.chemosphere.2009.05.029.	1	
IIA 8.16	Sebiomo A, Ogundero VW, Bankole SA	2011	Effect of four herbicides on microbial population, soil organic matter and dehydrogenase activity. <i>African Journal of Biotechnology</i> 10 (5): 770-778	2	

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IIA 8.16	Shen HR, Zhou EXQ, P.K.	2002	Effects of 6 herbicides on Rhizoctonia solani AG-1-IA [English translation of Chinese title]. Acta Phytophylacica Sinica 29 (3): 249-253	1	
IIA 8.16	Shimina VS, Neelamegam R	2010	Effect of herbicide Excel Mera-71 (glyphosate) treatment on seed germination and early seedling growth of Black gram (<i>Vigna mungo</i> , Hepper.) var T-9. Ad. Plant Sci. 23 (11):515-518	1	
IIA 8.16	Shiogiri NS, Carraschi SP, Cubo P, Schiavetti BL, da Cruz C, Pitelli RA	2010	Ecotoxicity of glyphosate and aterbane® br surfactant on guaru (<i>Phalloceros caudimaculatus</i>). Ad. Plant Sci. 23 (11):515-518	1	
IIA 8.16	Smith BC, Curran CA, Brown KW, Cabarrus JL, Gown JB, McIntyre JK, Moreland EE, Wong VL, Grassley JM, Grue CE	2004	Toxicity of four surfactants to juvenile rainbow trout: Implications for use over water. Bulletin of Environmental Contamination and Toxicology 72 (3):647-654. DOI:10.1007/s00128-004-0292-5.	2	
IIA 8.16	Smith GR	2001	Effects of acute exposure to a commercial formulation of glyphosate on the tadpoles of two species of anurans. Bulletin of Environmental Contamination and Toxicology 67 (4):483-488	2	
IIA 8.16	Soares RM, Gazziero DLP, Morita DAD, Ciliato ML, Flausino AM, Santos LCM, Janegitz T	2008	Glyphosate application on soybean rust control. Pesquisa Agropecuaria Brasileira 43 (4):473-477	1	
IIA 8.16	Sobrero C, Martin ML, Ronco A	2007	Phytotoxicity of the Roundup (R) Max herbicide on the non-target species <i>Lemna gibba</i> in field and laboratory studies. Hidrobiologica 17 (1):31-39	3	K
IIA 8.16	Sobrero MC, Rimoldi F, Ronco AE	2007	Effects of the glyphosate active ingredient and a formulation on <i>Lemna gibba</i> L. at different exposure levels and assessment end-points. Bull Environ Contam Toxicol 79 (5):537-43. DOI: 10.1007/s00128-007-9277-5.	3	K

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IIA 8.16 Also listed under IIA 5.10	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 8.16 Also listed under IIA 5.10	Solomon KR, Anadon A, Carrasquilla G, Cerdeira AL, Marshall J, Sanin LH	2007	Coca and poppy eradication in Colombia: environmental and human health assessment of aerially applied glyphosate. Rev Environ Contam Toxicol 190:43-125	2 (8.16) 1 (5.10)	
IIA 8.16	Solomon KR, Thompson DG	2003	Ecological risk assessment for aquatic organisms from over-water uses of glyphosate. Journal of Toxicology and Environmental Health-Part B-Critical Reviews 6 (3):289-324. doi:10.1080/15287390390155571.	1	
IIA 8.16 Also listed under IIA 7.13	Sorvari J, Jaakkonen S	2011	Environmental Risks Caused by Pesticides at Forest Nurseries in Finland. Human and Ecological Risk Assessment 17 (2):431-466. doi:10.1080/10807039.2011.552398.	1	
IIA 8.16 Also listed under IIA 5.10	Soso AB, Barcellos LJG, Ranzani-Paiava MJ, Kreutz LC, Quevedo RM, Anzidiero D, Lima M, da Silva LB, Ritter F, Bedin AC, Finco JA	2007	Chronic exposure to sub-lethal concentration of a glyphosate-based herbicide alters hormone profiles and affects reproduction of female Jundiá (<i>Rhamdia quelen</i>). Environmental Toxicology and Pharmacology 23 (3):308-313. DOI 10.1016/j.etap.2006.11.008.	3 E	K
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IIA 8.16	Sparling DW, Matson C, Bickham J, Doelling-Brown P	2006	Toxicity of glyphosate as Glypro (R) and LI700 to red-eared slider (<i>Trachemys scripta elegans</i>) embryos and early hatchlings. Environmental Toxicology and Chemistry 25 (10):2768-2774	1	
IIA 8.16	St. Laurent A, Merwin IA, Thies JE	2008	Long-term orchard groundcover management systems affect soil microbial communities and apple replant disease severity. Plant and Soil 304 (1-2):209-225. DOI 10.1007/s11104-008-9541-4.	1	

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IIA 8.16	Stanghellini ME, Waugh MM, Radewald KC, Kim DH, Ferrin DM, Turini T	2004	Crop residue destruction strategies that enhance rather than inhibit reproduction of <i>Monosporascus cannonballus</i> . <i>Plant Pathology</i> 53 (1): 50-53. DOI 10.1046/j.1365-3059.2003.00944.x.	1	
IIA 8.16	Stapleton JJ, Summers CG, Mitchell JP, Prather TS	2010	Deleterious activity of cultivated grasses (Poaceae) and residues on soilborne fungal, nematode and weed pests. <i>Phytoparasitica</i> 38 (1): 61-69. doi: 10.1007/s12600-009-0070-3.	1	
IIA 8.16	Stefanello GJ, Grutzmacher AD, Grutmacher DD, Lima CAB, Dalmozo DO, Paschoal MDF	2008	Selectivity of herbicides registered on corn to <i>Trichogramma pretiosum</i> (Hymenoptera: Trichogrammatidae). <i>Planta Daninha</i> 26 (2):343-351	1	
IIA 8.16	Stoleson SH, Ristau TE, deCalesta DS, Horsley SB	2011	Ten-year response of bird communities to an operational herbicide–shelterwood treatment in a northern hardwood forest. <i>Forest Ecology and Management</i> 262 (7):1205-1214. DOI: 10.1016/j.foreco. 2011.06.017	1	
IIA 8.16	Sullivan TP, Sullivan DS	2003	Vegetation management and ecosystem disturbance: impact of glyphosate herbicide on plant and animal diversity in terrestrial systems. <i>Environ. Rev.</i> 11 (1):37-59. DOI: 10.1139/a03-005.	1	
IIA 8.16 Also listed under IIA 7.13	Swift KJ, Bell FW	2011	What are the environmental consequences of using silviculturally effective forest vegetation management treatments? <i>Forestry Chronicle</i> 87 (2):201-216	1	
IIA 8.16	Taccari M, Comitini F, Casucci C, Ciani M	2011	Toxicity assessment of compounds in soil using a simple respirometric technique. <i>International Biodeterioration & Biodegradation</i> 65 (1):60-64. DOI: 10.1016/j.ibiod.2010.02.008.	1	
IIA 8.16	Takahashi M	2007	Oviposition site selection: pesticide avoidance by gray treefrogs. <i>Environ Toxicol Chem</i> 26 (7):1476-80	1	
IIA 8.16	Tan WZ, Li QJ, Qing L	2002	Biological control of alligatorweed (<i>Alternanthera philoxeroides</i>) with a <i>Fusarium</i> sp. <i>Biocontrol</i> 47 (4):463-479	1	

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IIA 8.16	Tanney JB, Hutchison LJ	2010	The effects of glyphosate on the in vitro linear growth of selected microfungi from a boreal forest soil. <i>Can J Microbiol</i> 56 (2):138-44. DOI: 10.1139/w09-122.	2	
IIA 8.16	Tatum VL	2004	Toxicity, transport, and fate of forest herbicides. <i>Wildlife Society Bulletin</i> 32 (4):1042-1048	1	
IIA 8.16	Tatum VL, Borton DL, Streblow WR, Louch J, Shepard JP	2011	Acute toxicity of commonly used forestry herbicide mixtures to Ceriodaphnia dubia and Pimephales promelas. <i>Environmental Toxicology</i> :n/a-n/a. DOI: 10.1002/tox.20686.	1	
IIA 8.16	Tejada M	2009	Evolution of soil biological properties after addition of glyphosate, diflufenican and glyphosate plus diflufenican herbicides. <i>Chemosphere</i> 76 (3):365-373. DOI 10.1016/j.chemosphere.2009.03.040.	2	
IIA 8.16	Terech-Majewska E, Siwicki AK, Szweda W	2003	The influence of herbicide Roundup on immunocompetent cells of carp (<i>Cyprinus carpio</i>) and European sheatfish (<i>Silurus glanis</i>). <i>Acta Scientiarum Polonorum - Piscaria</i> 2 (1):269-278	1	
IIA 8.16	Thomas WE, Burke IC, Robinson BL, Pline-Srnic WA, Edmisten KL, Wells R, Wilcut JW	2005	Yield and physiological response of nontransgenic cotton to simulated glyphosate drift. <i>Weed Technology</i> 19 (1):35-42	1	
IIA 8.16	Thomas WE, Pline-Srnic WA, Thomas JF, Edmisten KL, Wells R, Wilcut JW	2004	Glyphosate negatively affects pollen viability but not pollination and seed set in glyphosate-resistant corn. <i>Weed Science</i> 52 (5):725-734	1	
IIA 8.16	Thompson D, Chartrand D, Staznik B, Leach J, Hodgins P	2010	Integrating advanced technologies for optimization of aerial herbicide applications. <i>New Forests</i> 40 (1):45-66. DOI 10.1007/s11056-009-9181-4.	1	
IIA 8.16	Thompson DG, Wojtaszek BF, Staznik B, Chartrand DT, Stephenson GR	2004	Chemical and biomonitoring to assess potential acute effects of Vision (R) herbicide on native amphibian larvae in forest wetlands. <i>Environmental Toxicology and Chemistry</i> 23 (4):843-849	2	

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IIA 8.16	Tierney KB, Ross PS, Jarrard HE, Delaney KR, Kennedy CJ	2006	Changes in juvenile coho salmon electro-olfactogram during and after short-term exposure to current-use pesticides. Environ Toxicol Chem 25 (10):2809-17	3	K
IIA 8.16	Tierney KB, Sekela MA, Cobbler CE, Xhabija B, Gledhill M, Ananvoranich S, Zielinski BS	2011	Evidence for behavioral preference toward environmental concentrations of urban-use herbicides in a model adult fish. Environmental Toxicology and Chemistry 30 (9):2046-2054. DOI: 10.1002/etc.588.	1	
IIA 8.16	Tierney KB, Singh CR, Ross PS, Kennedy CJ	2007	Relating olfactory neurotoxicity to altered olfactory-mediated behaviors in rainbow trout exposed to three currently-used pesticides. Aquat Toxicol 81 (1):55-64. DOI: 10.1016/j.aquatox.2006.11.006.	1	
IIA 8.16	Tsui MT, Chu LM	2004	Comparative toxicity of glyphosate-based herbicides: aqueous and sediment porewater exposures. Arch Environ Contam Toxicol 46 (3): 316-23	1	
IIA 8.16	Tsui MT, Chu LM	2003	Aquatic toxicity of glyphosate-based formulations: comparison between different organisms and the effects of environmental factors. Chemosphere 52 (7):1189-97. DOI: 10.1016/S0045-6535(03)00306-0.	2	
IIA 8.16 Also listed under IIA 7.13	Tsui MTK, Wang WX, Chu LM	2005	Influence of glyphosate and its formulation (Roundup (R)) on the toxicity and bioavailability of metals to Ceriodaphnia dubia. Environmental Pollution 138 (1):59-68. DOI 10.1016/j.envpol. 2005.02.018.	1	
IIA 8.16	Tsumanuma GM, Soares AR, Fancelli AJ, Rodrigues MAT, Begliomini E	2010	Effect of herbicides and fungicides on progress curves and damage quantification caused by soybean rust. Ciencia Rural 40 (7):1485-1491. doi: 10.1590/s0103-84782010005000123.	1	
IIA 8.16	Tuffi Santos LD, de Siqueira CH, de Barros NF, Ferreira FA, Ferreira LR, Machado AFL	2007	Growth and Concentration of Nutrients in the Aerial Tissue of Eucalypt under glyphosate drift effect. Cerne 13 (4):347-352	1	

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IIA 8.16	Tuffi Santos LD, Ferreira FA, Meira RMSA, Barros NF, Ferreira LRE, Machado AFL	2005	Leaf Growth and Morphoanatomy of Eucalypt under the Effect of Glyphosate Drift. <i>Planta Daninha</i> , Viçosa-MG 23 (1):133-142	1	
IIA 8.16	Tuffi Santos LD, Graca RN, Alfenas AC, Ferreira FA, Melo CAD, Machado MS	2011	Glyphosate reduces urediniospore development and <i>Puccinia psidi</i> disease severity on <i>Eucalyptus grandis</i> . <i>Pest management science</i> 67 (7):876-880. doi: 10.1002/ps.2130.	1	
IIA 8.16	Tuffi Santos LD, Neves Graca R, Alfenas AC, Ferreira FA, Ferreira LR, Oda S	2007	Glyphosate on Eucalyptus Resistance to Rust (<i>Puccinia psidi</i>). <i>Planta Daninha</i> 25 (1):39-147	1	
IIA 8.16	Tuffi Santos LD, Wagner Júnior A, Silva JOC, Pimentel LD, Santos CEM, Bruckner CHE, Ferreira FA	2006	Herbicide Drift Simulation and Effect of Fungicide <i>Planta Daninha</i> , Viçosa-MG 24 (3):505-512	1	
IIA 8.16	Turgut C, Fomin A	2002	Sensitivity of the rooted macrophyte <i>Myriophyllum aquaticum</i> (Vell.) Verdcourt to seventeen pesticides determined on the basis of EC50. <i>Bulletin of Environmental Contamination and Toxicology</i> 69 (4): 601-608. DOI 10.1007/s00128-002-0103-9.	3	K
IIA 8.16	Turkington TK, Orr DD, XFR	2001	The influence of Roundup (R) on in vitro growth and sporulation of <i>Rhynchosporium secalis</i> and <i>Pyrenophora teres</i> . <i>Canadian Journal of Plant Pathology-Revue Canadienne De Phytopathologie</i> 23 (3): 307-311	1	
IIA 8.16	Unver T, Bakar M, Shearman RC, Budak H	2010	Genome-wide profiling and analysis of <i>Festuca arundinacea</i> miRNAs and transcriptomes in response to foliar glyphosate application. <i>Molecular Genetics and Genomics</i> 283 (4):397-413. DOI 10.1007/s00438-010-0526-7.	1	
IIA 8.16	Usenko OM, Manturova OV, Sakevich AI	2010	Influence of Phosphorus Bearing Herbicides on the Functional Activity of Algae. <i>Hydrobiological Journal</i> 46 (3):73-85. doi: 10.1615/HydrobJ.v46.i3.60.	1	

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IIA 8.16	Vera MS, Lagomarsino L, Sylvester M, Perez GL, Rodriguez P, Mugni H, Sinistro R, Ferraro M, Bonetto C, Zagarese H, Pizarro H	2010	New evidences of Roundup (glyphosate formulation) impact on the periphyton community and the water quality of freshwater ecosystems. Ecotoxicology 19 (4):710-21. DOI: 10.1007/s10646-009-0446-7.	3	K
IIA 8.16	Verrell P, Van Buskirk E	2004	As the worm turns: Eisenia fetida avoids soil contaminated by a glyphosate-based herbicide. Bulletin of Environmental Contamination and Toxicology 72 (2):219-224. DOI 10.1007/s00128-003-9134-0.	2	
IIA 8.16	Wagner JA, Tuffi Santos LD, Santos CEM, Silva JOC, Pimentel LD, Bruckner CH, Ferreira FA	2008	Drift simulation of glyphosate commercial formulations on yellow passion fruit growth. Planta Daninha 26 (3):677-683	1	
IIA 8.16 Also listed under IIA 6.10	Wagner R, Kogan M, Parada AM	2003	Phytotoxic activity of root absorbed glyphosate in corn seedlings (<i>Zea mays</i> L.). Weed Biology and Management 3:228-232	1	
IIA 8.16 Also listed under IIA 7.13	Wang N, Besser JM, Buckler DR, Honegger JL, Ingersoll CG, Johnson BT, Kurtzweil ML, MacGregor J, McKee MJ	2005	Influence of sediment on the fate and toxicity of a polyethoxylated tallowamine surfactant system (MON 0818) in aquatic microcosms. Chemosphere 59 (4):545-551. DOI 10.1016/j.chemosphere.2004.12.009.	1	
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