

**COMMITTEE ON CARCINOGENICITY OF CHEMICALS IN FOOD, CONSUMER PRODUCTS AND THE ENVIRONMENT**

**TABLE 9. EXCLUDED PAPERS REPORTING HEALTH EFFECTS**

<b>Author</b>	<b>Title</b>	<b>Reason for non-inclusion in summary information</b>
Acquavella,J.F.; Weber,J.A.; Cullen,M.R.; Cruz,O.A.; Martens,M.A.; Holden,L.R.; Riordan,S.; Thompson,M.; Farmer,D. (1999)	Human ocular effects from self-reported exposures to Roundup herbicides	study concerns reports of exposure to Roundup herbicides to a Poison Control Center; type of exposure is not described, so there is no way to identify para-occupational exposure
Alavanja,M.C.; Hoppin,J.A.; Kamel,F. (2004)	Health effects of chronic pesticide exposure: cancer and neurotoxicity	description of study – no results
Alavanja,M.C.; Dosemeci,M.; Samanic,C.; Lubin,J.; Lynch,C.F.; Knott,C.; Barker,J.; Hoppin,J.A.; Sandler,D.P.; Coble,J.; Thomas,K.; Blair,A. (2004)	Pesticides and lung cancer risk in the agricultural health study cohort	no results for spouses, the para-occupationally exposed group
Alavanja,M.C.; Ward,M.H.; Reynolds,P. (2007)	Carcinogenicity of agricultural pesticides in adults and children	review
Ames, R.G. (2002)	Pesticide impacts on communities and schools	article on regulation of pesticides – no data
Andreotti,G.; Freeman,L.E.; Hou,L.; Coble,J.; Rusiecki,J.; Hoppin,J.A.; Silverman,D.T.; Alavanja,M.C. (2008)	Agricultural pesticide use and pancreatic cancer risk in the Agricultural Health Study Cohort	para-occupational exposure cannot be identified separately: risk factors for ever/never use of agricultural pesticides are combined for applicators and spouses
Barrueto,F.,Jr.; Furdyna,P.M.; Hoffman,R.S.; Hoffman,R.J.; Nelson,L.S. (2003)	Status epilepticus from an illegally imported Chinese rodenticide	case report of a poisoning; not para-occupational exposure
Behari,M.; Srivastava,A.K.; Das,R.R.; Pandey,R.M. (2001)	Risk factors of Parkinson's disease in Indian patients	no identification of para-occupational exposure: “rural residency” is the only characteristic, which is too broad a description, and not directly linked to pesticides
Benmoyal-Segal,L.; Vander,T.; Shifman,S.; Bryk,B.; Ebstein,R.P.; Marcus,E.L.; Stessman,J.; Darvasi,A.; Herishanu,Y.; Friedman,A.; Soreq,H.(2005)	Acetylcholinesterase/paraoxonase interactions increase the risk of insecticide-induced Parkinson's disease	genotoxicity not covered in our review
Beseler,C.; Stallones,L.; Hoppin,J.A.; Alavanja,M.C.; Blair,A.; Keefe,T.; Kamel,F. (2006)	Depression and pesticide exposures in female spouses of licensed pesticide applicators in the agricultural health study cohort	women who never mixed or applied pesticides are the referents
Beseler, C.L; Stallones, L. (2008)	A cohort study of pesticide poisoning and depression in Colorado farm residents	study looks at effects of pesticide poisoning, not para-occupational exposure

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<b>Author</b>	<b>Title</b>	<b>Reason for non-inclusion in summary information</b>
Blair,A.; Sandler,D.; Thomas,K.; Hoppin,J.A.; Kamel,F.; Coble,J.; Lee,W.J.; Rusiecki,J.; Knott,C.; Dosemeci,M.; Lynch,C.F.; Lubin,J.H.; Alavanja,M. (2005)	Disease and injury among participants in the Agricultural Health Study.	information only about farmers and applicators, no separate information on spouses
Blair,A.; Sandler,D.P.; Tarone,R.; Lubin,J.; Thomas,K.; Hoppin,J.A.; Samanic,C.; Coble,J.; Kamel,F.; Knott,C.; Dosemeci,M.; Zahm,S.H.; Lynch,C.F.; Rothman,N.; Alavanja,M.C. (2005)	Mortality among participants in the Agricultural Health Study	mortality from any cause; association with pesticides is not investigated. The only exposure to pesticides is occupational (“years of handling pesticides”)
Bonner,M.R.; Coble,J.; Blair,A.; Beane Freeman,L.E.; Hoppin,J.A.; Sandler,D.P.; Alavanja,M.C. (2007)	Malathion exposure and the incidence of cancer in the agricultural health study	exposure is occupational (pesticide applicators)
Brenner,S.; Tur,E.; Shapiro,J.; Ruocco,V.; D’Avino,M.; Ruocco,E.; Tsankov,N.; Vassileva,S.; Drenovska,K.; Brezoev,P.; Barnadas,M.A.; Gonzalez,M.J.; Anhalt,G.; Nousari,H.; Ramos-E Silva; Pinto,K.T.; Miranda,M.F.(2001)	Pemphigus vulgaris: Environmental factors. Occupational, behavioral, medical, and qualitative food frequency questionnaire	limited exposure information – type of exposure not specified; one mention of exposure to pesticides is occupational
Brighina,L.; Frigerio,R.; Schneider,N.K.; Lesnick,T.G.; De,Andrade M.; Cunningham,J.M.; Farrer,M.J.; Lincoln,S.J.; Checkoway,H.; Rocca,W.A.; Maraganore,D.M. (2008)	alpha-Synuclein, pesticides, and Parkinson disease: A case-control study	exposure is occupational, or residential use in gardening – not application by professional applicator
Buffler,P.A.; Kwan,M.L.; Reynolds,P.; Urayama,K.Y. (2005)	Environmental and genetic risk factors for childhood leukemia: Appraising the evidence	review
Carozza,S.E.; Li,B.; Elgethun,K.; Whitworth,R. (2008)	Risk of childhood cancers associated with residence in agriculturally intense areas in the United States	exposure is “bystander”, through drift – children exposed by living in areas of high agricultural activity
Carozza,S.E.; Li,B.; Wang,Q.; Horel,S.; Cooper,S. (2009)	Agricultural pesticides and risk of childhood cancers	exposure is based on proximity of birth residence to crop fields, using GIS (geographic information system) methods, not para-occupational exposure
Chen,Z.; Robison,L.; Giller,R.; Krailo,M.; Davis,M.; Davies,S.; Shu,X.O. (2006)	Environmental exposure to residential pesticides, chemicals, dust, fumes, and metals, and risk of childhood germ cell tumors.	no clearly identified para-occupational exposure
Clementi,M.; Tiboni,G.M.; Causin,R.; La,Rocca C.; Maranghi,F.; Raffagnato,F.; Tenconi,R. (2008)	Pesticides and fertility: an epidemiological study in Northeast Italy and review of the literature	study considers environmental exposure from residence in agricultural areas of expected low, intermediate and high exposure, based on estimated quantities of sprayed pesticides

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<b>Author</b>	<b>Title</b>	<b>Reason for non-inclusion in summary information</b>
Costa,L.G.; Giordano,G.; Guizzetti,M.; Vitalone,A. (2008)	Neurotoxicity of pesticides: a brief review	review
Daniels,J.L.; Olshan,A.F.; Savitz,D.A. (1997)	Pesticides and childhood cancers	review
Dick,F.D.; De,Palma G.; Ahmadi,A.; Scott,N.W.; Prescott,G.J.; Bennett,J.; Semple,S.; Dick,S.; Counsell,C.; Mozzoni,P.; Haites,N.; Wettinger,S.B.; Mutti,A.; Otelea,M.; Seaton,A.; Soderkvist,P.; Felice,A. (2007)	Environmental risk factors for Parkinson's disease and parkinsonism: the Geoparkinson study	exposure is occupational, and "hobby" – personal domestic use
Eriksson,M.; Hardell,L.; Carlberg,M.; Akerman,M. (2008)	Pesticide exposure as risk factor for non-Hodgkin lymphoma including histopathological subgroup analysis	exposure is occupational
Eskenazi,B.; Harley,K.; Bradman,A.; Weltzien,E.; Jewell,N.P.; Barr,D.B.; Furlong,C.E.; Holland,N.T. (2004)	Association of in utero organophosphate pesticide exposure and fetal growth and length of gestation in an agricultural population	study contains biomarker data only; sources of exposure are not given, so para-occupational exposure cannot be identified
Farr,S.L.; Cooper,G.S.; Cai,J.; Savitz,D.A.; Sandler,D.P. (2004)	Pesticide use and menstrual cycle characteristics among premenopausal women in the Agricultural Health Study	women who had never used any pesticides are considered the unexposed group
Farr,S.L.; Cai,J.; Savitz,D.A.; Sandler,D.P.; Hoppin,J.A.; Cooper,G.S.(2006)	Pesticide exposure and timing of menopause: the Agricultural Health Study	women who had never mixed or applied pesticides are used as the reference group
Fortes,C.; Mastroeni,S.; Melchi,F.; Pilla,M.A.; Alotto,M.; Antonelli,G.; Camaione,D.; Bolli,S.; Luchetti,E.; Pasquini,P. (2007)	The association between residential pesticide use and cutaneous melanoma	para-occupational exposure not specified – it is not specified whether individuals applied pesticides themselves or when/whether commercial applicators were involved
Frazier,L. (2007)	Reproductive disorders associated with pesticide exposure	review
Friedman,J.F.; Phillips-Howard,P.A.; Hawley,W.A.; Terlouw,D.J.; Kolczak,M.S.; Barber,M.; Okello,N.; Vulule,J.M.; Duggan,C.; Nahlen,B.L.; ter Kuile,F.O. (2003)	Impact of permethrin-treated bed nets on growth, nutritional status, and body composition of primary school children in western Kenya	focus of the study is not the response to the permethrin used, but a comparison between baseline growth and nutritional status in the children and measurements taken after 2 years of bed-net use, evaluating the effect of the bed-nets on exposure to malaria
Fryzek,J.P.; Garabrant,D.H.; Harlow,S.D.; Severson,R.K.; Gillespie,B.W.; Schenk,M.; Schottenfeld,D.(1997)	A case-control study of self-reported exposures to pesticides and pancreas cancer in southeastern Michigan	pesticides of interest in the article are DDT and related compounds; organochlorines not covered in the review
Fuortes,L. (1999)	Urticaria due to airborne permethrin exposure	this is "bystander" exposure – proximity to aerial application
Gauthier,E.; Fortier, I.; Courchesne,F.; Pepin, P.; Mortimer, J.; Gauvreau, D. (2000)	Environmental pesticide exposure as a risk factor for Alzheimer's disease: a case-control study	exposure was environmental, based on living in an area sprayed with pesticides, not para-occupational

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Gibson,J.E.; Peterson,R.K.; Shurdut,B.A. (1998)	Human exposure and risk from indoor use of chlorpyrifos	commentary on toxicity – no data
Goldstein,D.A.; Acquavella,J.F.; Mannion,R.M.; Farmer,D.R. (2002)	An analysis of glyphosate data from the California Environmental Protection Agency Pesticide Illness Surveillance Program	analysis of calls to Pesticide Illness Surveillance Program; no details of exposure other than agricultural/non-agricultural, so para-occupational exposure cannot be identified
Gonzalez,C.A.; Borrás,J.M.; Luna,P.; Baixeras,C.; Mariano,E.; Pera,G. (1997)	Brief communication: Childhood leukemia in a residential small town near Barcelona	exposure is environmental, not para-occupational – parental report for the 4 cases of ALL (acute lymphoblastic leukaemia) said that there were no occupational risk factors in the family, nor use of pesticides at home, so para-occupational exposure cannot be identified
Guillette,E.A.; Meza,M.M.; Aquilar,M.G.; Soto,A.D.; Garcia,I.E. (1998)	An anthropological approach to the evaluation of preschool children exposed to pesticides in Mexico	exposure is environmental, based on town of residence, not clearly para-occupational
Guillette,E.A. (2000)	A broad-based evaluation of pesticide-exposed children	no data reported
Gunier,R.B.; Harnly,M.E.; Reynolds,P.; Hertz,A.; Von,Behren J. (2001)	Agricultural pesticide use in California: pesticide prioritization, use densities, and population distributions for a childhood cancer study	ecologic study; estimate of exposure is calculated pesticide use density in pounds per square mile, not para-occupational exposure
Harley,K.G.; Marks,A.R.; Bradman,A.; Barr,D.B.; Eskenazi,B. (2008)	DDT exposure, work in agriculture, and time to pregnancy among farmworkers in California	study considers maternal occupational exposure, living in proximity to an agricultural field (resident), and non-specific “home use” – not application by professional
Hatcher,J.M.; Pennell,K.D.; Miller,G.W. (2008)	Parkinson's disease and pesticides: a toxicological perspective	review
Herishanu,Y.O.; Kordysh,E.; Goldsmith,J.R. (1998)	A case-referent study of extrapyramidal signs (preparkinsonism) in rural communities of Israel	study finds association with preparkinsonism and occupational exposure; other types of exposure to OPs and herbicides are not specified, so para-occupational exposure cannot be identified
Hertz-Picciotto,I.; Pastore,L.M.; Beaumont,J.J.(1996)	Timing and Patterns of Exposures during Pregnancy and Their Implications for Study Methods	contains data on living near crops (resident), but not on para-occupational exposure: garden and insect pesticide application are not identified as application by professional applicator
Hoffmann,W.; Terschueren,C.; Heimpel,H.; Feller,A.; Butte,W.; Hostrup,O.; Richardson,D.; Greiser,E. (2008)	Population-based research on occupational and environmental factors for leukemia and non-Hodgkin's lymphoma: the Northern Germany Leukemia and Lymphoma Study (NLL)	exposure is occupational (on job title), or “bystander” – living in a farming community or near to tree nurseries, or personal use in home or garden
Hopenhayn-Rich,C.; Stump,M.L.; Browning,S.R. (2002)	Regional assessment of atrazine exposure and incidence of breast and ovarian cancers in Kentucky	ecologic study; indices of environmental exposure are derived, not para-occupational exposure
Hoppin,J.A.; Umbach,D.M.; Kullman,G.J.; Henneberger,P.K.; London,S.J.; Alavanja,M.C.;	Pesticides and other agricultural factors associated with self-reported farmer's lung among farm residents in the Agricultural	only occupational/work exposure of spouses reported

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Sandler,D.P. (2007)	Health Study	
Hoppin,J.A.; Umbach,D.M.; London,S.J.; Henneberger,P.K.; Kullman,G.J.; Alavanja,M.C.; Sandler,D.P.(2008)	Pesticides and atopic and nonatopic asthma among farm women in the Agricultural Health Study	occupational exposure, only women's use of pesticides is examined
Infante-Rivard,C.; Weichenthal,S. (2007)	Pesticides and childhood cancer: An update of Zahm and Ward's 1998 review	review
Jaga,K.; Dharmani,C. (2006)	Ocular toxicity from pesticide exposure: A recent review	review
Jamil,K.; Das,G.P.; Shaik,A.P.; Dharmi,S.S.; Murthy,S. (2007)	Epidemiological studies of pesticide-exposed individuals and their clinical implications	adults studied were occupationally exposed; for the children studied, type of maternal exposure during pregnancy is not reported
Kamel,F.; Tanner,C.; Umbach,D.; Hoppin,J.; Alavanja,M.; Blair,A.; Comyns,K.; Goldman,S.; Korell,M.; Langston,J.; Ross,G.; Sandler,D. (2007)	Pesticide exposure and self-reported Parkinson's disease in the agricultural health study	information for spouses not reported separately; groups who did not use any pesticide/did not personally mix or apply pesticides are used as the referents
Karpati,A.M.; Perrin,M.C.; Matte,T.; Leighton,J.; Schwartz,J.; Barr,R.G.(2004)	Pesticide spraying for West Nile virus control and emergency department asthma visits in New York City, 2000	this is environmental exposure, not para-occupational
Karr,C.J.; Solomon,G.M.; Brock-Utne,A.C. (2007)	Health effects of common home, lawn, and garden pesticides	information for paediatricians, not a study
Keifer,M.; Rivas,F.; Moon,J.D.; Checkoway,H. (1996)	Symptoms and cholinesterase activity among rural residents living near cotton fields in Nicaragua	this is "bystander" exposure, exposure to spray drift and aerial pesticides
Keifer,M.C.; Firestone,J. (2007)	Neurotoxicity of pesticides	review
Kendrick,D.B. (2006)	Mosquito repellents and superwarfarin rodenticides--are they really toxic in children?	review
Kofman,O.; Berger,A.; Massarwa,A.; Friedman,A.; Jaffar,A.A. (2006)	Motor inhibition and learning impairments in school-aged children following exposure to organophosphate pesticides in infancy	cases of accidental poisoning, not para-occupational exposure
Koutros,S.; Mahajan,R.; Zheng,T.; Hoppin,J.A.; Ma,X.; Lynch,C.F.; Blair,A.; Alavanja,M.C. (2008)	Dichlorvos exposure and human cancer risk: results from the Agricultural Health Study	occupational exposure (pesticide applicators)
Landrigan,P.; Claudio,L.; Markowitz,S.; Berkowitz,G.; Brenner,B.; Romero,H.; Wetmur,J.; Matte,T.; Gore,A.; Godbold,J.; Wolff,M. (1999)	Pesticides and inner-city children: exposures, risks, and prevention	discussion of effects of pesticides on inner-city children – no data
Lieberman,A.D.; Craven,M.R.; Lewis,H.A.; Nemenzo,J.H. (1998)	Genotoxicity from domestic use of organophosphate pesticides	genotoxicity not covered in our review
Loffredo,C.A.; Silbergeld,E.K.; Ferencz,C.; Zhang,J. (2001)	Association of transposition of the great arteries in infants with maternal exposures to herbicides and rodenticides	study concerns birth defects, which are not in the scope of the review; also, exposure to pesticides is use by mother in the home – professional

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		application not included
London,L.; Bourne,D.; Sayed,R.; Eastman,R. (2004)	Guillain-Barre syndrome in a rural farming district in South Africa: a possible relationship to environmental organophosphate exposure	study looks at effects of aerial application of OP pesticides and spray drift, which is “bystander” and not para-occupational exposure
Masley,M.L.; Semchuk,K.M.; Senthilselvan,A.; McDuffie,H.H.; Hanke,P.; Dosman,J.A.; Cessna,A.J.; Crossley,M.F.; Irvine,D.G.; Rosenberg,A.M.; Hagel,L.M. (2000)	Health and environment of rural families: results of a Community Canvass survey in the Prairie Ecosystem Study (PECOS)	exposure is either occupational or classed as “home/garden use” – para-occupational exposure could not be identified
McCauley,L.A.; Anger,W.K.; Keifer,M.; Langley,R.; Robson,M.G.; Rohlman,D. (2006)	Studying health outcomes in farmworker populations exposed to pesticides	review
McClure,G.Y.; Helm,R.M.; Stine,K.; Burks,A.W.; Jones,S.M.; Gandy,J. (2001)	Evaluation of immune parameters in propanil-exposed farm families	this is “bystander” exposure, residence near sprayed rice fields
McConnell,R.; Pacheco,F.; Wahlberg,K.; Klein,W.; Malespin,O.; Magnotti,R.; Akerblom,M.; Murray,D. (1999)	Subclinical health effects of environmental pesticide contamination in a developing country: cholinesterase depression in children	exposure is environmental, based on proximity of residence to a crop-dusting airport and resulting exposure to rain water run-off from the airport, not para-occupational
McKelvey,W.; Brody,J.G.; Aschengrau,A.; Swartz,C.H. (2004)	Association between residence on Cape Cod, Massachusetts, and breast cancer	paper looks at length of residence on Cape Cod and breast cancer, with possibility that residence could be acting as surrogate for unidentified environmental risk factors. Pesticides are only one of a number of possible risk factors, so the association is not specifically examined, and para-occupational exposure is not specified.
McNally,R.J.Q.; Parker,L.(2006)	Environmental factors and childhood acute leukemias and lymphomas	review
Menegaux,F.; Baruchel,A.; Bertrand,Y.; Lescoeur,B.; Leverger,G.; Nelken,B.; Sommelet,D.; Hemon,D.; Clavel,J. (2006)	Household exposure to pesticides and risk of childhood acute leukaemia	only maternal use of household pesticides covered, not professional application
Metayer,C.; Buffler,P.A. (2008)	Residential exposures to pesticides and childhood leukaemia	study focuses on home use of pesticides, and is work in progress – no results reported
MMWR report (1997)	Poisonings associated with illegal use of aldicarb as a rodenticide -- New York City, 1994-1997	poisoning after ingesting a rodenticide – not para-occupational exposure
MMWR report (1999)	Surveillance for acute pesticide-related illness during the Medfly eradication program--Florida, 1998	contains only 4 very brief case reports, two of which are “bystander” exposure to an aerial application, and the other two are environmental, not para-occupational
MMWR report (2000)	Illnesses associated with use of automatic insecticide dispenser units--selected states and United States, 1986-1999	4 brief case reports, two of which concern exposure at work, and the other two are environmental, not para-occupational
MMWR report (2003)	Poisoning by an illegally	poisoning, not para-occupational

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	imported Chinese rodenticide containing tetramethylenedisulfotetramine--New York City, 2002	exposure
MMWR report (2008)	Acute pesticide poisoning associated with pyraclostrobin fungicide--Iowa, 2007	exposure is "bystander", drift from aerial spraying of neighbouring field
Muir,K.R.; Chilvers,C.E.; Harriss,C.; Coulson,L.; Grainge,M.; Darbyshire,P.; Geary,C.; Hows,J.; Marsh,J.; Rutherford,T.; Taylor,M.; Gordon-Smith,E.C. (2003)	The role of occupational and environmental exposures in the aetiology of acquired severe aplastic anaemia: a case control investigation	only occupational exposure and own use of chemicals at home
Nasterlack,M. (2006)	Do pesticides cause childhood cancer?	review
Nasterlack,M. (2007)	Pesticides and childhood cancer: An update	review
Nelson,L.S.; Perrone,J.; DeRoos,F.; Stork,C.; Hoffman,R.S. (2001)	Aldicarb poisoning by an illicit rodenticide imported into the United States: Tres Pasitos	case reports of poisonings, not para-occupational exposure
Nordby,K.C.; Andersen,A.; Irgens,L.M.; Kristensen,P. (2005)	Indicators of mancozeb exposure in relation to thyroid cancer and neural tube defects in farmers' families	study uses exposure indicators such as "potato farming", "pesticide purchase", "pesticide application equipment on farm", from which para-occupational exposure cannot be defined
Pearce,M.; Hammal,D.; Dorak,T.; McNally,R.; Parker,L. (2006)	Paternal occupational exposure to pesticides or herbicides as risk factors for cancer in children and young adults: a case-control study from the North of England	exposure is based on whether paternal employment at birth of child was in an occupation likely to result in pesticide exposure, not on actual exposure of child
Phillips,T.M. (2000)	Assessing environmental exposure in children: immunotoxicology screening	concerns exposure to the organochlorines chlordane and heptachlor
Pogoda,J.M.; Preston-Martin,S. (1997)	Household pesticides and risk of pediatric brain tumors	study focuses on flea/tick pesticides used on pets, and applied by the mother; professional pest treatment is not reported
Provost,D.; Cantagrel,A.; Lebailly,P. (2007)	Brain tumours and exposure to pesticides: A case-control study in southwestern France.	exposure is mainly occupational; also covered is residence in a rural or vineyard area (environmental exposure), and personal use of pesticide on house plants, not para-occupational exposure
Rauh,V.A.; Garfinkel,R.; Perera,F.P.; Andrews,H.F.; Hoepner,L.; Barr,D.B.; Whitehead,R.; Tang,D.; Whyatt,R.W. (2006)	Impact of prenatal chlorpyrifos exposure on neurodevelopment in the first 3 years of life among inner-city children	study covers residential use by the participants themselves; professional applicator treatment is not included
Recio-Vega,R.; Ocampo-Gomez,G.; Borja-Aburto,V.H.; Moran-Martinez,J.; Cebrian-Garcia,M.E. (2008)	Organophosphorus pesticide exposure decreases sperm quality: association between sperm parameters and urinary pesticide levels	only occupational exposure is considered – agricultural workers from a community in Mexico
Reynolds,P.; Hurley,S.E.; Goldberg,D.E.; Yerabati,S.; Gunier,R.B.; Hertz,A.; nton-Culver,H.; Bernstein,L.; Deapen,D.; Horn-Ross,P.L.;	Residential proximity to agricultural pesticide use and incidence of breast cancer in the California Teachers Study cohort	not para-occupational exposure; exposure assessment is based on residential proximity to agricultural pesticide use, which is "bystander"/resident exposure –

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Peel,D.; Pinder,R.; Ross,R.K.; West,D.; Wright,W.E.; Ziogas,A. (2004)		pesticides applied within a half-mile radius of each woman's residential address
Reynolds,P.; Von,Behren J.; Gunier,R.B.; Goldberg,D.E.; Hertz,A.; Harnly,M.E. (2002)	Childhood cancer and agricultural pesticide use: an ecologic study in California	as above, this is not para-occupational exposure – exposure is assessed by agricultural pesticide use density, that is, children's residence in areas of high agricultural use
Reynolds,P.; Hurley,S.E.; Gunier,R.B.; Yerabati,S.; Quach,T.; Hertz,A. (2005)	Residential proximity to agricultural pesticide use and incidence of breast cancer in California, 1988-1997	not para-occupational exposure – paper considers residential proximity to agricultural pesticide use, so this is "bystander"/resident exposure
Reynolds,P.; Von Behren J.; Gunier,R.B.; Goldberg,D.E.; Harnly,M.; Hertz,A. (2005)	Agricultural pesticide use and childhood cancer in California	not para-occupational exposure – mother's residential proximity to agricultural applications of pesticides at time of child's birth
Reynolds,P.; Von,Behren J.; Gunier,R.; Goldberg,D.E.; Hertz,A. (2005)	Agricultural pesticides and lymphoproliferative childhood cancer in California	exposure is assessed by density of pesticide use in block (neighbourhood) groups, so para-occupational exposure cannot be identified separately
Ritz,B.; Costello,S. (2006)	Geographic model and biomarker-derived measures of pesticide exposure and Parkinson's disease	paper deals with organochlorines, which are not in the scope of this review; exposure is based on land use reports and residence near agricultural applications
Ritz,B.; Yu,F. (2000)	Parkinson's disease mortality and pesticide exposure in California 1984-1994	para-occupational exposure not identified; exposure is estimated on the basis of pesticide use by county
Roberts,E.M.; English,P.B.; Grether,J.K.; Windham,G.C.; Somberg,L.; Wolff,C. (2007)	Maternal residence near agricultural pesticide applications and autism spectrum disorders among children in the California Central Valley	this is "bystander" exposure – maternal residential proximity to pesticide application
Rosas, L.G.; Eskenazi, B. (2008)	Pesticides and child neurodevelopment	review
Rosso,A.L.; Hovinga,M.E.; Rorke-Adams,L.B.; Spector,L.G. (2008)	A case-control study of childhood brain tumors and fathers' hobbies: a Children's Oncology Group study	exposure is paternal use of lawn-care pesticides in the garden, not exposure to professional application
Rudant,J.; Menegaux,F.; Leverger,G.; Baruchel,A.; Nelken,B.; Bertrand,Y.; Patte,C.; Pacquement,H.; Verite,C.; Robert,A.; Michel,G.; Margueritte,G.; Gandemer,V.; Hemon,D.; Clavel,J. (2007)	Household exposure to pesticides and risk of childhood hematopoietic malignancies: The ESCALE study (SFCE)	maternal and paternal household use of pesticides, not application by professional applicator
Safi,J.M. (2002)	Association between chronic exposure to pesticides and recorded cases of human malignancy in Gaza Governorates (1990-1999)	environmental exposure – types and amounts of pesticides used in Gaza Governorates and correlated with cancer incidence
Saldana,T.M.; Basso,O.; Hoppin,J.A.; Baird,D.D.; Knott,C.; Alavanja,M.C.; Blair,A.; Sandler,D.P. (2006)	Pesticide Use And Gestational Diabetes Mellitus Among Wives Of Farmers In The Agricultural Health Study	meeting abstract

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<b>Author</b>	<b>Title</b>	<b>Reason for non-inclusion in summary information</b>
Saldana,T.M.; Basso,O.; Hoppin,J.A.; Baird,D.D.; Knott,C.; Blair,A.; Alavanja,M.C.; Sandler,D.P. (2007)	Pesticide exposure and self-reported gestational diabetes mellitus in the Agricultural Health Study	occupational exposure – women who mixed/applied pesticides to crops or in home and garden; the category “indirect exposure” involved working in fields
Sallmen,M.; Liesivuori,J.; Taskinen,H.; Lindbohm,M.L.; Anttila,A.; Aalto,L.; Hemminki,K. (2003)	Time to pregnancy among the wives of Finnish greenhouse workers	occupational exposure – effect of direct use of pesticides on male fertility
Sallmen,M.; Baird,D.D.; Hoppin,J.A.; Blair,A.; Sandler,D.P. (2006)	Fertility and exposure to solvents among families in the Agricultural Health Study	only exposure to solvents is considered, pesticides not included
Sandler,D.P. (2003)	Health Effects Of Exposures In Agriculture	description of Agricultural Health Study with brief report of a few results – no data presented
Sathiakumar, N.; Delzell,E. (1997)	A review of epidemiologic studies of triazine herbicides and cancer	review
Savitz,D.A.; Arbuckle,T.; Kaczor,D.; Curtis,K.M. (1997)	Male pesticide exposure and pregnancy outcome	occupational exposure – activities associated with direct pesticide exposure
Schreinemachers,D.M. (2000)	Cancer mortality in four northern wheat-producing states	ecologic study; exposure is estimated by wheat acreage per county, not para-occupational exposure
Searles Nielsen S.; Mueller,B.A.; De Roos,A.J.; Viernes,H.M.; Farin,F.M.; Checkoway,H. (2005)	Risk of brain tumors in children and susceptibility to organophosphorus insecticides: the potential role of paraoxonase (PON1)	“home pesticide treatment” is not characterised as treatment by professional applicator or use by residents themselves; odds ratios are not calculated for the small number of “farm residence” subjects (n=6, controls=4)
Semchuk,K.; McDuffie,H.; Senthilselvan,A.; Cessna,A.; Irvine,D. (2004)	Body mass index and bromoxynil exposure in a sample of rural residents during spring herbicide application	article on methodology – use of body mass index to predict detection of bromoxynil in plasma
Sharpe,C.R.; Siemiatycki,J.; Parent,M.E. (2001)	Activities and exposures during leisure and prostate cancer risk	no para-occupational exposure – self-reported personal use of pesticides or garden sprays
Smargiassi,A.; Mutti,A.; De,Rosa A.; De,Palma G.; Negrotti,A.; Calzetti,S. (1998)	A case-control study of occupational and environmental risk factors for Parkinson's disease in the Emilia-Romagna region of Italy	occupational exposure considered, as well as “residential” and “leisure”, but neither term is defined further, so impossible to identify para-occupational exposure
Spann,M.F.; Blondell,J.M.; Hunting,K.L. (2000)	Acute hazards to young children from residential pesticide exposures	cases of accidental poisoning, not para-occupational exposure; also concerns mainly disinfectants
Spencer,J.; O'Malley,M. (2006)	Pyrethroid illnesses in California, 1996-2002	review, and concerns occupational exposure
Sperati,A.; Rapiti,E.; Settimi,L.; Quercia,A.; Terenzoni,B.; Forastiere,F. (1999)	Mortality among male licensed pesticide users and their wives	no exposure data is available, so para-occupational exposure cannot be identified
Stallones,L.; Beseler,C. (2002)	Pesticide poisoning and depressive symptoms among farm residents	the para-occupational group, spouses not involved in farm work, are not treated as a separate category, so para-occupational exposure cannot be identified

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Stallones,L.; Beseler,C. (2002)	Pesticide illness, farm practices, and neurological symptoms among farm residents in Colorado	study focuses on association between previously reported acute pesticide-related illnesses (poisoning) and neurological symptoms in the present, not on effects of exposure; also focuses on individuals who applied pesticides, so on occupational exposure
Stinco,G.; Piccirillo,F.; de,Francesco,V; Patrone,P. (2007)	Scleroderma-like lesions and Parkinson's disease: possible links with exposure to pesticides	case report of both occupational and para-occupational exposure; para-occupational exposure not separated
Stoebner,P.E.; Peyron,J.L.; Meunier,L.; Meynadier,J.M.; Meynadier,J. (2000)	Photoallergic contact dermatitis to pesticides. One case. [French]	case report of occupational exposure
Swan,S.H. (2006)	Semen quality in fertile US men in relation to geographical area and pesticide exposure	type of exposure is not specified and para-occupational exposure is not identified
Thonneau,P.; Abell,A.; Larsen,S.B.; Bonde,J.P.; Joffe,M.; Clavert,A.; Ducot,B.; Multigner,T.; Danscher,G. (1999)	Effects of pesticide exposure on time to pregnancy - Results of a multicenter study in France and Denmark	this is occupational exposure – study concerns fertility in men who are exposed or non-exposed to pesticides in their work as farmers or agricultural workers
Tsai,J.; Kaye,W.E.; Bove,F.J. (2006)	Wilms' tumor and exposures to residential and occupational hazardous chemicals	mainly investigates residence near hazardous waste sites; maternal exposure to pesticides is self-reported use of household chemicals and self-reported occupational exposure
Vidal,J.S.; Vidailhet,M.; Elbaz,A.; Derkinderen,P.; Tzourio,C.; Alperovitch,A. (2008)	Risk factors of multiple system atrophy: a case-control study in French patients	exposure is occupational, personal use of pesticides in leisure gardening, or living in a rural area
Walker, K.M.; Carozza, S.; Cooper, S., Elgethun, K. (2007)	Childhood cancer in Texas counties with moderate to intense agricultural activity	no way of identifying para-occupational exposure – percentage cropland and county-specific pesticide exposure are used as surrogates for pesticide exposure
Wang, Y.; Lewis-Michl,E.L.; Hwang,S.A.; Fitzgerald,E.F.; Stark,A.D. (2002)	Cancer incidence among a cohort of female farm residents in New York State	occupational or para-occupational exposure of the cohort members is not differentiated
Waterhouse,D.;Carman,W.J.; Schottenfeld,D.; Gridley,G.; McLean,S. (1996)	Cancer incidence in the rural community of Tecumseh, Michigan: A pattern of increased lymphopoietic neoplasms	not para-occupational exposure; study of incidence of cancer in a rural community, exposure assessed on acreage of land treated with agricultural chemicals
Weselak,M.; Arbuckle,T.E.; Wigle,D.T.; Krewski,D. (2007)	In utero pesticide exposure and childhood morbidity	exposure is that of the farm couple to chemical use on the farm; maternal exposure is not treated separately, and para-occupational exposure of the mother is not identified
Weselak,M.; Arbuckle,T.E.; Wigle,D.T.; Walker,M.C.; Krewski,D. (2008)	Pre- and post-conception pesticide exposure and the risk of birth defects in an Ontario farm population	impossible to identify para-occupational exposure of the mother as a separate category; exposure assessment is for reported use of a chemical on the farm
Whyatt,R.M.; Rauh,V.; Barr,D.B.; Camann,D.E.; Andrews,H.F.; Garfinkel,R.; Hoepner,L.A.; Diaz,D.; Dietrich,J.; Reyes,A.;	Prenatal insecticide exposures and birth weight and length among an urban minority cohort	para-occupational exposure from applications by professional applicator is not identified separately; study focuses on residential use by mothers

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Tang,D.; Kinney,P.L.; Perera,F.P. (2004)		themselves, and levels of insecticides measured in personal air and cord blood are from all sources of residential exposure
Whyatt,R.M.; Camann,D.; Perera,F.P.; Rauh,V.A.; Tang,D.; Kinney,P.L.; Garfinkel,R.; Andrews,H.; Hoepner,L.; Barr,D.B. (2005)	Biomarkers in assessing residential insecticide exposures during pregnancy and effects on fetal growth	effects on birth weight and length are the result of all types of residential exposure taken together; the effect of para-occupational exposure from applications by a professional applicator is not treated separately
Wilk,J.B.; Tobin,J.E.; Suchowersky,O.; Shill,H.A.; Klein,C.; Wooten,G.F.; Lew,M.F.; Mark,M.H.; Guttman,M.; Watts,R.L.; Singer,C.; Growdon,J.H.; Latourelle,J.C.; Saint-Hilaire,M.H.; DeStefano,A.L.; Prakash,R.; Williamson,S.; Berg,C.J.; Sun,M.; Goldwurm,S.; Pezzoli,G.; Racette,B.A.; Perlmutter,J.S.; Parsian,A.; Baker,K.B.; Giroux,M.L.; Litvan,I.; Pramstaller,P.P.; Nicholson,G.; Burn,D.J.; Chinnery,P.F.; Vieregge,P.; Slevin,J.T.; Cambi,F.; MacDonald,M.E.; Gusella,J.F.; Myers,R.H.; Golbe,L.I. (2006)	Herbicide exposure modifies GSTP1 haplotype association to Parkinson onset age: the GenePD Study	exposure is occupational or “residential”; the latter is not defined, and exposure to application by professional applicator is not identified
Wright,J.M.; Keller-Byrne,J. (2005)	Environmental determinants of Parkinson's disease	the only risk factor that could cover para-occupational exposure is “lived on a farm”, but it is poorly defined – questionnaire did not have a standard definition of farm residence and it is unclear what the term covers, so para-occupational exposure cannot be identified
Young,H.A.; Mills,P.K.; Riordan,D.G.; Cress,R.D. (2005)	Triazine herbicides and epithelial ovarian cancer risk in central California	exposure was either occupational, or “resident” – living near sprayed crops
Zahm,S.H.; Ward,M.H. (1998)	Pesticides and childhood cancer	review