## Monica K. Silver, Jie Shao, Minjian Chen, Yankai Xia, Betsy Lozoff and John D. Meeker

**Table S1.** Additional results of generalized linear models for composite pesticide exposure variables, analyzing household, parental, and seasonal characteristics as predictors of exposure.

	Total Detects	Total Detects (No Metabolites)	Total Insecticide Detects	Non-Persistent Insecticide Detects	OP Detects	PYR Detects	Fungicide Detects	Herbicide Detects	
Predictor (Referent)	Effect Estimate (95% CI)	Effect Estimate (95% CI)	Effect Estimate (95% CI)	Effect Estimate (95% CI)	Effect Estimate (95% CI)	Effect Estimate (95% CI)	Effect Estimate (95% CI)	Effect Estimate (95% CI)	
# Family in home	-0.12 (-0.63-0.39)	-0.05 (-0.44-0.33)	-0.07 (-0.39-0.24)	-0.08 (-0.36-0.20)	0.03 (-0.12-0.17)	-0.12 (-0.30-0.05)	-0.02 (-0.10-0.06)	0.04 (-0.04-0.11)	
# People in home	0.04 (-0.42-0.50)	0.05 (-0.31-0.40)	0.02 (-0.26-0.31)	0.00 (-0.26-0.26)	0.08 (-0.05-0.21)	-0.08 (-0.24-0.08)	0.02 (-0.05-0.10)	0.00 (-0.07-0.07)	
Living space	0.00 (-0.01-0.00)	0.00 (-0.00-0.00)	0.00 (-0.00-0.00)	0.00 (-0.00-0.00)	0.00 (-0.00-0.00)	0.00 (-0.00-0.00)	0.00 (-0.00-0.00)	0.00 (-0.00-0.00)	
Residence (Urban)									
Rural	-0.06 (-1.47-1.35)	0.04 (-1.03-1.12)	0.01 (-0.86-0.87)	0.03 (-0.75-0.81)	-0.09 (-0.49-0.31)	0.10 (-0.39-0.58)	-0.01 (-0.24-0.21)	0.08 (-0.12-0.27)	
Income (≥100,000 Yuan)									
<30,000 Yuan	-0.49 (-2.42-1.44)	-0.46 (-1.93-1.01)	-0.21 (-1.39-0.97)	-0.15 (-1.22-0.91)	-0.01 (-0.55-0.54)	-0.15 (-0.81-0.52)	-0.04 (-0.34-0.27)	-0.21 (-0.49- 0.06)	
30,000–49,999 Yuan	0.44 (-1.59-2.47)	0.07 (-1.48-1.61)	0.23 (-1.01-1.47)	0.08 (-1.04-1.19)	0.26 (-0.31-0.84)	-0.27 (-0.97-0.43)	0.03 (-0.30-0.35)	-0.19 (-0.47- 0.10)	
50,000–99,999 Yuan	0.28 (-1.59-2.46)	0.15 (-1.26-1.56)	0.06 (-1.07-1.20)	0.02 (-1.00-1.04)	-0.08 (-0.61-0.44)	0.01 (-0.65-0.63)	0.17 (-0.13-0.47)	-0.08 (-0.34- 0.18)	
Maternal age	0.05 (-0.13-0.24)	0.02 (-0.13-0.16)	0.00 (-0.11-0.12)	-0.01 (-0.12-0.09)	0.02 (-0.04-0.07)	-0.02 (-0.09-0.04)	0.02 (-0.01-0.05)	-0.01 (-0.04-0.02)	
Paternal age	-0.06 (-0.22-0.10)	-0.05 (-0.18-0.07)	-0.04 (-0.14-0.05)	-0.03 (-0.12-0.05)	0.00 (-0.05-0.04)	-0.02 (-0.07-0.03)	-0.00 (-0.03-0.02)	-0.01 (-0.03- 0.02)	
Maternal education (College)									
Middle school or less	0.14 (-1.42-1.70)	0.14 (-1.06-1.33)	0.26 (-0.70-1.22)	0.25 (-0.62-1.11)	0.04 (-0.40-0.48)	0.13 (-0.41-0.66)	-0.03 (-0.27-0.22)	-0.10 (-0.32- 0.12)	
High school/secondary school	0.12 (-1.58-1.82)	0.32 (-0.98-1.62)	0.37 (-0.67-1.41)	0.42 (-0.53-1.36)	0.20 (-0.29-0.68)	0.12 (-0.47-0.70)	-0.05 (-0.32-0.22)	0.00 (-0.24-0.24)	
Paternal occupation (Prof./Tech./Admin.)									
Manager	0.21 (-1.77-2.19)	0.04 (-1.47-1.56)	-0.15 (-1.36-1.07)	-0.13 (-1.23-0.97)	-0.06 (-0.63-0.49)	-0.03 (-0.71-0.65)	0.03 (-0.28-0.35)	0.16 (-0.12-0.43)	
Factory worker	0.50 (-1.44-2.45)	0.31 (-1.18-1.80)	0.15 (-1.05-1.34)	0.02 (-1.06-1.10)	-0.05 (-0.61-0.50)	0.10 (-0.57-0.76)	0.09 (-0.22-0.40)	0.08 (-0.20-0.35)	
Other	-0.09 (-1.81-1.62)	-0.01 (-1.31-1.30)	-0.09 (-1.14-0.96)	-0.25 (-1.20-0.70)	-0.23 (-0.72-0.25)	-0.03 (-0.61-0.56)	0.08 (-0.19-0.36)	0.00 (-0.24-0.24)	

CI= confidence interval.

	Dichotomous Pesticide Results			
Predictor (Referent)	OR (95% CI) <sup>1</sup>			
# People in home	Mirex: 0.83 (0.70–0.99)			
Income (≥100,000 Yuan)				
30,000–49,999 Yuan	Omethoate: 0.44 (0.22–0.90)			
	DEDTP: 0.92 (0.86–0.98)			
	Carbophenothion sulfone: 0.91 (0.84–0.99)			
Maternal age	Mirex: 0.92 (0.86–0.99)			
_	Metalaxyl: 0.92 (0.86–0.99)			
Paternal age	o,p'-DDE: 1.08 (1.01–1.15)			
Maternal education (College)				
Middle school or less	2,4-Dichlorophenoxyacetic acid: 2.02 (1.09–3.75)			
Paternal education (College)				
High achool/coordamy achool	Carbophenothion sulfone: 0.40 (0.16-0.99)			
High school/secondary school –	Oxadixyl: 2.36 (1.22–4.56)			
Maternal occupation (Housewife)				
	Fluvalinate-tau: 2.07 (1.10–3.90)			
Other –	Tetramethrin: 1.78 (1.01–3.14)			
Season of birth (Fall/Winter)				
	Omethoate: 2.55 (1.37-4.74)			
	Chlorpyrifos: 0.41 (0.22–0.77)			
	DEDTP: 2.55 (1.37–4.74)			
	Cypermethrin: 0.36 (0.20–0.65)			
Spring	Fenvalerate: 0.32 (0.10–0.98)			
	Tetramethrin: 2.95 (1.42–6.13)			
	o,p'-DDE: 0.43 (0.22–0.85)			
	p,p'-DDE: 2.07 (1.16–3.69)			
	Prothiophos: 0.47 (0.27–0.83)			
	Chlorpyrifos: 0.25 (0.13-0.46)			
Course or	Fenvalerate: 0.26 (0.09–0.80)			
Summer	o,p'-DDE: 0.48 (0.24–0.95)			
	Tetrahydrophthalimide: 0.45 (0.21–0.95)			
Month of birth (December)				
March	Cypermethrin: 0.12 (0.02–0.71)			
A puil	Cypermethrin: 0.23 (0.07–0.76)			
Арт	Tetramethrin: 6.50 (1.71–24.75)			
	Chlorpyrifos: 0.15 (0.04–0.55)			
June	Tetramethrin: 8.25 (1.46–46.60)			
	o,p'-DDE: 0.24 (0.07–0.88)			
	Chlorpyrifos: 0.10 (0.03–0.41)			
July	2,4-Dichlorophenoxyacetic acid: 0.16 (0.03–0.82)			

**Table S2.** Significant results of logistic regression models for pesticides with detection rates of 10%–50%, analyzing household, parental, and seasonal characteristics as predictors of exposure.

<sup>1</sup> Modeled the probability that pesticide <LOD, so a value <1 means higher odds of detection, while a value >1 means lower odds of detection. CI= confidence interval.



© 2015 by the authors; licensee MDPI, Basel, Switzerland. This article is an open access article distributed under the terms and conditions of the Creative Commons by Attribution (CC-BY) license (http://creativecommons.org/licenses/by/4.0/).