Table S1. Households with any larvae or pupae positive containers (Household index) and temephos presence and timing of application in four surveys in Managua control sites between 2006 and 2013

Survey date	Temephos present *and* temephos visit within the last 30 days		No temephos present, or temephos visit more than 30 days ago, or no visit		OR (95% CI)*
	No. inspected households	No. (%) with positive containers	No. inspected households	No. (%) with positive containers	
Oct 2006	549	140 (25)	2,085	461 (22)	1.07 (0.84-1.35)
Oct 2007	579	125 (22)	2,965	690 (23)	0.80 (0.64-1.01)
Aug 2012	1,034	379 (37)	1,049	421 (40)	1.06 (0.87-1.30)
Jan 2013	599	161 (27)	3,072	641 (21)	**1.35 (1.09-1.67)**

* Odds ratio and 95% confidence intervals from GLMM, with cluster as random effect.

OR of >1.0 indicates that households with temephos present and applied within last 30 days were *more* likely to have a positive entomological indicator; bold font indicates the association was significant at the 5% level

Table S2. Pupae-positive households and temephos presence and timing of application in four surveys in Managua control sites between 2006 and 2013

Survey date	Temephos present *and* temephos visit within the last 30 days		No temephos present, or temephos visit more than 30 days ago, or no visit		OR (95% CI)*
	No. inspected households	No. (%) with pupae	No. inspected households	No. (%) with pupae	
Oct 2006	549	59 (11)	2,085	205 (10)	1.18 (0.85-1.63)
Oct 2007	579	71 (12)	2,965	373 (13)	0.92 (0.69-1.23)
Aug 2012	1,034	185 (18)	1,049	245 (23)	0.87 (0.70-1.11)
Jan 2013	599	68 (11)	3,072	280 (9)	1.32 (0.98-1.77)

* Odds ratio and 95% confidence intervals from GLMM, with cluster as random effect.

OR of >1.0 indicates that households with temephos present and applied within the last 30 days were *more* likely to have a positive entomological indicator; bold font indicates the association was significant at the 5% level

Table S3. Number of people, number of pupae, and temephos presence and timing of application in four surveys in Managua control sites between 2006 and 2013

Survey date	Temephos observed in any container			Temephos not observed in any container			OR (95% CI)*
	No. households	No. people	No. pupae (PPP)	No. households	No. people	No. pupae (PPP)	
Oct 2006	549	3,207	881 (0,3)	2,085	12,343	2,425 (0.2)	1.21 (0.84-1.74)
Oct 2007	579	3,292	773 (0.2)	2,965	17,160	5,232 (0.3)	0.74 (0.51-1.05)
Aug 2012	1,034	5,449	1,790 (0.3)	1,049	5,375	2,351 (0.4)	0.83 (0.63-1.09)
Jan 2013	599	3,200	672 (0.2)	3,072	15.924	1,985 (0.1)	**1.50 (1.10-2.06)**

* Odds ratio and 95% confidence intervals from GLMM, with cluster as random effect.

We dichotomised the pupae per person (PPP) variable into households with above and below the mean PPP.

OR of >1.0 indicates that households with temephos present and applied within the last 30 days were *more* likely to have a positive entomological indicator; bold font indicates the association was significant at the 5% level