

Table S1. Results of synergist bioassays with PBO, DEM and TPP against λ -cyhalothrin.

Treatment	<i>n</i>	% Mortality ± S.E.M.	LD ₅₀ (ppm)± S.E.M.	FL (95%)	SR	χ^2	<i>p</i> value
λ -cyhalothrin	54	18.52* ± 2.0	7461.47 ± 1213.79	5082.47–9840.89	-	-	-
PBO + λ -cyhalothrin	36	90.6* ± 5.10	0.915 ± 0.15	0.82–1.34	8154.34	98.35	<0.0001
DEM+ λ -cyhalothrin	36	16.67 ± 6.41	277.70 ± 58.72	162.61–392.79	26.87	0.89	= 0.35
TPP + λ -cyhalothrin	36	19.44 ± 4.81	365.07 ± 130.75	108.81–621.34	20.44	0.03	= 0.86
Control	27	0.00 ± 0.00	-	-	-	-	-

Results are means ± standard error of mean (S.E.M.) of three replicates each of 9 larvae for each exposure concentration. Synergistic ratio (SR) = ratio of the LD₅₀ of λ -cyhalothrin exposure in the conventional bioassay to the LD₅₀ of synergist + λ -cyhalothrin. * significantly different from λ -cyhalothrin exposure alone in two-sided χ^2 test of significance ($\chi^2 = 98.35$, $p < 0.0001$).

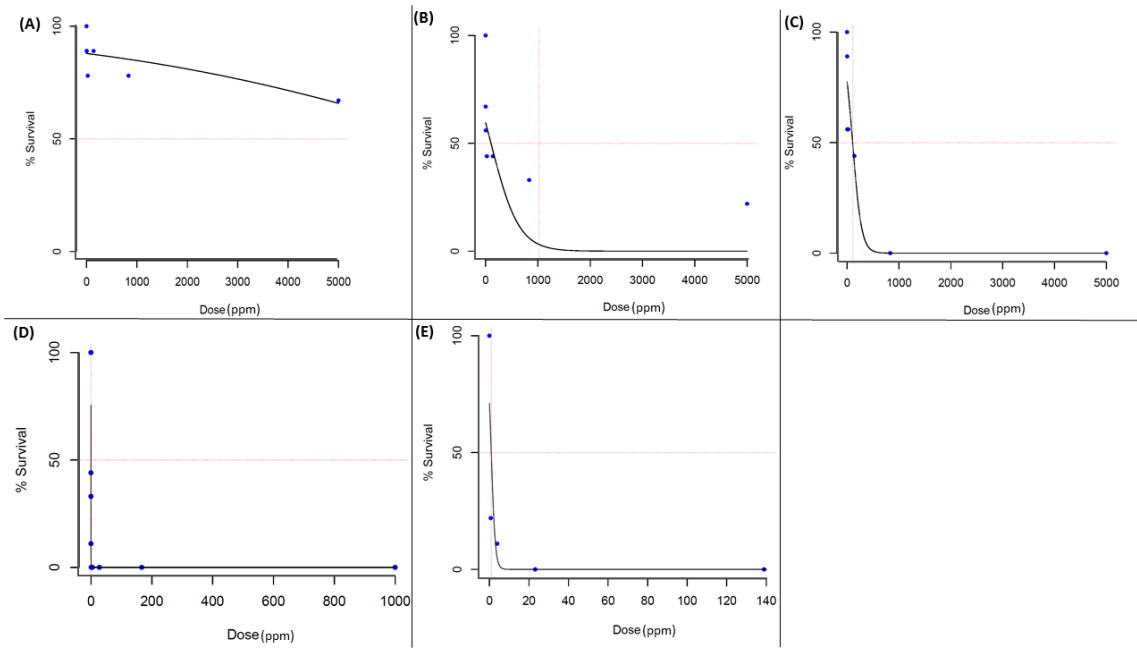


Figure S1. Results of dose-response bioassay to establish the LD₅₀ for *T. absoluta* L2 larvae with (A) λ -cyhalothrin, (B) propoxur, (C) chlorpyrifos-methyl, (D) abamectin, and (E) PBO pre-exposure with λ -cyhalothrin.