

Supplementary material

Supplementary Figure S1: Photos of field trials (A) to test the effect of wood vinegar delivered from 50 ml plastic tubes fixed under tree canopy (B, arrows) to evaluate the repellent effect towards *B. oleae* in olive groves in Cicerale (Southern Italy).



Table S1: Summary of the Generalized Linear Modelling (GLM) testing (significant values in bold at $P < 0.05$) for main effects of wood vinegar treatments on *Bactrocera oleae*.

	Degree of freedom	Sum Squares	Mean Squares	F-value	P-value
Treatment	3	4194	1397.9	13.79	0.00158
Residuals	8	811	101.3		

Table S2: Summary of the Generalized Linear Modelling (GLM) testing (significant values in bold at $P < 0.05$) for main and interactive effects of plant species and tested concentrations.

	Degree of freedom	Sum Squares	Mean Squares	F-value	P-value
Plant species	5	83643	16729	33.772	< 0.001
Concentration	5	76858	15372	31.032	< 0.001
Plant species * Concentration	25	63694	2548	5.143	< 0.001
Residuals	684	338818	495		