

Table 1 Temephos resistance characteristics of Tunisian *Culex pipiens* in presence and absence of synergists DEF and Pb

Population	Temephos			Temephos +DEF					Temephos +Pb				
	LC ₅₀ in µg/l(a)	Slope±SE	RR ₅₀ (a)	LC ₅₀ µg/l(a)	Slope±SE	RR ₅₀ (a)	SR ₅₀ (a)	RSR	LC ₅₀ in µg/l(a)	Slope±SE	RR ₅₀ (a)	SR ₅₀ (a)	RSR
Slab	1.2 (1.1-1.4)	2.34±0.22	-	0.32 (0.28-0.36)	4.99±0.69	-	3.8 (2.8-5.0)	-	2.2 (1.7-2.8)	1.94±0.28	-	0.56 (0.44-0.72)	-
1-kalaa	3.1 (2.4-4.0)	1.93±0.17	2.5 (2.0-3.2)	1.2 (0.98-1.4)	2.26±0.23	3.7 (2.7-5.0)	2.6 (1.9-3.4)	0.68	1.8 (0.21-14)	1.11±0.34	0.84 (0.41-1.7)	1.7 (0.97-3.0)	3.0
2-Monastir	2.4 (2.2-2.7)	3.35±0.22	2.0 (1.6-2.3)	0.84 (0.38-1.8)	1.90±0.34	34.9 (23.8-51.2)	0.22 (0.16-0.28)	0.06	4.9 (4.3-5.5)	2.19 *±0.18	2.2 (1.7-2.8)	0.50 (0.42-0.60)	0.89
3-Moknine	4.1 (3.3-5.1)	2.47 *±0.27	3.3 (2.6-4.2)	1.1 (0.97-1.2)	2.10±0.17	3.4 (2.5-4.5)	3.7 (2.9-4.6)	0.97	4.2 (3.7-4.7)	2.49±0.17	1.9 (1.5-2.4)	0.98 (0.77-1.2)	1.7
4-Hajeb laayoun	0.64 (0.54-0.74)	2.7 *±0.27	0.51 (0.41-0.63)	-	-	-	-	-	-	-	-	-	-
5-Sbiba	73 (52-103)	3.75 **±0.9	59.1 (36.1-96.5)	-	-	-	-	-	3.5 (0.47-24)	0.71±0.25	1.5 (0.87-2.9)	21.0 (10.6-41.5)	37.1

Note: (a), 95% CI; * The log dose-probit mortality response is parallel to that of S-Lab; ** Parallelism test positif but without probability. RR₅₀, resistance ratio at LC₅₀ (RR₅₀=LC₅₀ of the population considered/LC₅₀ of Slab); SR₅₀, synergism ratio (LC₅₀ observed in absence of synergist/LC₅₀ observed in presence of synergist). RR and SR considered significant (P<0.05) if their 95%CI did not include the value 1; RSR, relative synergism ratio (RR for insecticide alone / RR for insecticide plus synergist)