

Table 3 Percentage mortality, KD₅₀ and KD₉₅ and (in bracket) total number of mosquitoes tested against the different insecticides

Insecticides		Permethrin			Deltamethrin			DDT			Bendiocarb			Fenitrothion		
Village	Species	MT			MT			MT	KT50	KT95	MT	KT50	KT95	MT	KT50	KT95
Mbuinjeru	<i>An. arabiensis</i>	70 (100)			78(100)			98(100)			77(100)			92(100)		
Ndindiruku	<i>An. arabiensis</i>	69(100)			68(100)			82(100)			85(100)			75(100)		
Murinduko	<i>An. arabiensis</i>	80(100)			96(100)			96(100)			100(100)			80(100)		
		MT	KT50	KT95	MT	KT50	KT95	MT	KT50	KT95	MT	KT50	KT95	MT	KT50	KT95
Kamagaga	<i>An. arabiensis</i>	99(100)	8.45	44.34	100(100)	14.34	46.41	100(100)	15.90	33.42	100(100)	22.22	51.23	96(100)	95.94	1189
	<i>An. funestus</i>	96(100)	35.62	66.25	100(100)	10.65	143.8	100(100)	25.59	55.85	96(100)	-	-	98(100)	-	-
Kobura	<i>An. arabiensis</i>	100(100)	19.86	44.56	99(100)	20.70	50.60	100(100)	17.16	42.57	100(100)	22.11	41.44	100(100)	83.70	559.6
	<i>An. funestus</i>	100(100)	26.42	51.60	100(100)	-	-	99(100)	-	-	96(100)	-	-	98(100)	-	-
Wagai	<i>An. arabiensis</i>	99(100)	17.29	65.79	99(100)	25.77	62.87	99(100)	-	-	99(100)	-	-	96(100)	-	-
	<i>An. funestus</i>	100(100)	20.15	37.99	100(100)	21.98	67.07	99(100)	32.06	70.08	98(100)	25.76	67.48	98(100)	-	-

Legend:

(-)-missing data

MT – mortality 24 hrs post exposure, KD₅₀ and KD₉₅ refer to the time taken to knockdown 50% and 95% respectively of the sample size.

KD₅₀ and KD₉₅ for positive controls on Mwea *An. arabiensis* were 17.45 and 58.18 minutes respectively

KD₅₀ and KD₉₅ for positive controls on Ahero *An. arabiensis* were 19.75 and 57.48 minutes respectively.

KD₅₀ and KD₉₅ for positive controls on Ahero *An. funestus* complex were 18.46 and 52.86 minutes respectively.