

**Table 2** Estimated quantities of insecticides used in urban agriculture in the 6 study areas of Khartoum city as per spraying cycle

Area	Insecticide EC (dosage rate) <sup>a,b</sup>						
	Organophosphates				Pyrethroids		
	Malathion 57% (4.77 L/ha)	Chlorpyrifos (4.76 L/ha)	Cybermethrin 10% (0.24 L/ha)	Deltamethrin 25% (0.36 L/ha)	Lambda- cyhalothrin 5% (0.36 L/ha)	Alpha- cybermethrin 10% (0.34 L/ha)	Permethrin 10% (0.34 L/ha)
<b>Urban</b>							
Soba West	429	0	17	9	9	5	4
Arkewiet	0	0	0	0	0	0	0
Abu'siid	232	0	9	5	5	3	2
Subtotal	661	0	26	13	14	7	6
<b>Periurban</b>							
Esalamania	1883	283	71	21	21	20	20
Elmaygoma	2621	393	98	30	30	28	28
Eltmanyat	1627	200	62	30	30	15	12
Subtotal	6131	875	231	82	82	63	60
Total	6792	875	257	95	96	70	66

<sup>a</sup>Types of pesticides and usage dosage rates were verified by retailers of the pesticides market in Khartoum city, and National Pesticides Council, Ministry of Agriculture;

<sup>b</sup>Dosage rates calculated as litres per planted hectare for each spraying cycle with respect to types of protected plants (Schumacher et al. [3]) (number of spraying cycles varied between the summer/winter seasons).

EC = emulsifiable concentration.