Supplementary Material

Comparative Toxicity and Resistance to Insecticides in *Musca domestica* from Some Livestock Farms of Punjab, Pakistan





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Supplementary Table I. Percent mortality of Musca domestica against different concentrations of deltamethrin.

Deltamethrin concentrations in (mg/2ml)	Percent mortality of selected populations after 48 h						
	Lab	Sargodha	Khushab	Jauharabd	Mianwali	Bhakkar	
Water	0	0	0	0	0	0	
Acetone	0	0	1	0	0	2	
0.125	70.0	4.4	4.6	6.6	26.6	31.1	
0.185	72.2	11.1	8.8	11.9	33.3	42.2	
0.25	75.5	17.7	22.2	26.6	42.2	55.5	
0.375	79.9	24.4	31.1	35.5	46.6	64.4	

Supplementary Table II. Percent mortality of Musca domestica against different concentrations of fipronil.

Fipronil concentrations in	Percent mortality of selected populations After 48 h						
(mg/2ml)	Lab	Sargodha	Khushab	Jauharabd	Mianwali	Bhakkar	
Water	0	0	0	0	0	0	
Acetone	0	0.5	0	1	0	0	
0.52	86.6	51.1	52.2	54.4	56.6	53.3	
1.05	88.8	53.3	59.9	58.8	65.5	56.6	
2.1	92.2	59.9	63.3	63.3	69.9	61.1	
3.15	95.5	64.4	67.7	68.8	73.3	69.9	

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Supplementary Table III. Percent mortality of *Musca domestica* against different concentrations of chlorpyrifos.

Chlorpyrifos concentrations in (mg/2ml)	Percent mortality of selected populations after 48 h						
	Lab	Sargodha	Khushab	Jauharabd	Mianwali	Bhakkar	
Water	0	0	0	0	0	0	
Acetone	0	1	0	1	0	0	
3.35	86.6	75.5	76.6	77.7	79.9	81.1	
4.2	88.8	77.7	79.9	80.0	81.1	83.3	
5	89.9	79.9	81.2	82.2	83.3	85.5	
7.5	90.0	80.0	83.3	84.4	86.6	87.7	

Supplementary Table IV. Percent mortality of Musca domestica against different concentrations of Imidacloprid.

Imidacloprid concentrations in	Percent mortality of selected populations after 48 h						
(mg/2ml)	Lab	Sargodha	Khushab	Jauharabd	Mianwali	Bhakkar	
Water	0	0	0	0	0	0	
Acetone	0	1	0	1	0	0	
2.52	84.4	71.1	71.9	69.9	72.2	81.1	
5.4	86.6	74.4	76.6	75.5	77.7	85.5	
10.2	90.0	79.9	80.0	78.8	79.1	88.8	
21	91	83.3	84	81.1	82.2	91.1	

Supplementary Table V. Percent mortality of *Musca domestica* against different concentrations of pyriproxyfen.

Pyriproxyfen concentrations in (mg/2ml)	Percent mortality of selected populations after 48 h							
	Lab	Sargodha	Khushab	Jauharabad	Mianwali	Bhakkar		
Water	0	0	0	0	0	0		
Acetone	0	1	0	0	2	0		
0.84	85.5	72.2	74.4	75.5	77.7	73.3		
1.26	86.6	77.7	79.9	78.1	79	75.5		
1.68	88.8	80.0	80.9	81.1	84.4	78.8		
2.5	90.0	81.1	83.3	86.6	87.7	83.3		