

Supplementary Table S1. Median lethal concentration (LC₅₀) values of different botanicals evaluated against 3rd instar larvae of fall armyworm *Spodoptera frugiperda*.

Botanicals	Time (hr)	LC ₅₀ (%)	Lower and upper 95% Fiducial limits (%)	Chi-square	P-value*
<i>Buxus papillosa</i>	24	NC	NC	NC	NC
	48	179.68	102.81-1772.03	2.87	0.00
	72	139.71	99.53-260.39	6.20	0.00
<i>Maerua arenaria</i>	24	NC	NC	NC	NC
	48	138.74	99.45-253.76	9.84	0.00
	72	180.81	108.89-810.13	4.46	0.00
<i>Monothea buxifolia</i>	24	214.23	NC	2.60	0.00
	48	138.74	86.88-502.31	2.34	0.00
	72	111.25	87.16-163.25	15.18	0.00
<i>Olea ferruginea</i>	24	111.25	87.16-163.25	15.18	0.00
	48	111.92	NC	1.85	0.00
	72	245.79	NC	1.78	0.00
<i>Peganum harmala</i>	24	NC	NC	NC	NC
	48	171.39	106.72-590.40	2.39	0.00
	72	154.68	NC	1.88	0.00
<i>Periploca aphylla</i>	24	NC	NC	NC	NC
	48	178.59	107.88-781.54	3.87	0.00
	72	131.04	95.85-226.18	9.8	0.00
<i>Rhazia stricta</i>	24	160.76	109.79-346.177	7.76	0.00
	48	75.10	180.10-545.1	4.56	0.00
	72	36.41	24.02-149.48	3.77	0.00
<i>Salvia moorcroftiana</i>	24	NC	NC	NC	NC
	48	178.59	107.88-781.54	3.87	0.00
	72	131.04	95.85-226.18	9.80	0.00
<i>Solanum incanum</i>	24	NC	NC	NC	NC
	48	178.59	107.88-781.54	3.87	0.00
	72	111.25	87.17-163.25	15.18	0.00
<i>Solanum nigrum</i>	24	NC	NC	NC	NC
	48	174.73	100.98-1442.20	3.24	0.00
	72	136.48	98.09-247.65	5.82	0.00
<i>Sophora mollis</i>	24	195.08	114.75-1088.46	4.8	0.00
	48	44.09	31.35-103.84	1.46	0.00
	72	33.32	27.31-80.90	2.52	0.00
<i>Withania somnifera</i>	24	195.08	114.75-1088.46	4.8	0.00
	48	40.42	29.14-86.24	2.4	0.00
	72	30.21	24.31-80.90	2.73	0.00

* Since the significance level is less than 0.05, a heterogeneity factor is used in the calculation of confidence limits (NC=Not calculable)

Supplementary Table S2. Median lethal time (LT₅₀) values of different botanicals evaluated against 3rd instar larvae of fall armyworm *Spodoptera frugiperda*.

Botanicals	Concentrations (%)	LT ₅₀ (hr)	Lower and upper 95% Fiducial limits (%)	Chi-square	P-value*
<i>Buxus papillosa</i>	10	96.97	90.78-105.70	10.49	0.00
	20	93.73	88.28-101.17	13.79	0.00
	40	92.69	87.39-99.76	23.37	0.00
<i>Maerua arenaria</i>	10	103.05	95.36-114.08	22.42	0.00
	20	99.19	90.89-111.87	25.52	0.00
	40	97.22	88.20-111.71	35.92	0.00
<i>Monothea buxifolia</i>	10	95.35	85.69-110.22	36.60	0.00
	20	92.23	82.50-107.53	43.94	0.00
	40	95.10	85.23-111.01	44.75	0.00
<i>Olea ferruginea</i>	10	78.77	75.47-82.73	17.89	0.00
	20	78.37	74.83-82.61	18.50	0.00
	40	78.03	73.54-83.71	25.10	0.00
<i>Peganum harmala</i>	10	83.49	78.54-90.25	30.32	0.00
	20	82.58	77.87-88.93	29.50	0.00
	40	80.32	74.99-87.81	45.10	0.00
<i>Periploca aphylla</i>	10	102.92	93.61-117.54	24.92	0.00
	20	98.82	90.66-111.23	25.27	0.00
	40	96.62	87.46-111.48	38.79	0.00
<i>Rhazia stricta</i>	10	57.78	54.53-61.41	65.36	0.00
	20	55.02	52.03-58.21	57.37	0.00
	40	54.89	51.88-58.18	57.54	0.00
<i>Salvia moorcroftiana</i>	10	102.92	93.61-117.54	24.92	0.00
	20	98.82	90.66-111.23	25.27	0.00
	40	96.62	87.46-111.48	38.79	0.00
<i>Solanum incanum</i>	10	95.59	89.57-104.73	2.52	0.00
	20	95.25	89.46-103.22	14.70	0.00
	40	93.07	87.38-102.62	7.4	0.00
<i>Solanum nigrum</i>	10	93.15	87.83-100.39	13.76	0.00
	20	92.14	86.95-99.06	22.80	0.00
	40	90.06	83.52-99.59	31.16	0.00
<i>Sophora mollis</i>	10	54.48	52.46-56.65	6.38	0.00
	20	52.31	50.31-54.44	3.72	0.00
	40	49.06	47.10-51.33	4.71	0.00
<i>Withania somnifera</i>	10	54.13	52.13-56.26	6.94	0.00
	20	51.82	49.84-53.94	3.48	0.00
	40	48.59	46.77-50.50	5.95	0.00

*Since the significance level is less than 0.05, a heterogeneity factor is used in the calculation of confidence limits

Supplementary Figure S1: Corrected percent mortality (mean \pm SE; n = 10) of 3rd instar larvae of fall armyworm *Spodoptera frugiperda* by 20% methanolic extracts of different plant species recorded at different time intervals. Alphabets at bar tops indicate statistical difference among each botanical treatments at different time intervals (one-way ANOVA; HSD at $\alpha = 0.05$)

