

Table 4 Log-probit analysis, regression analysis, estimation of synergistic factor and co-toxicity coefficient of *Asparagus setaceus* and *Cuscuta chinensis* seed extracts in different combination ratios exposed separately on different larval instars of *Cx. quinquefasciatus*

Plant ratio	Instar	Exposure	Regression equation	LC ₅₀ ± SE (ppm)	Fiducial limits(ppm)	R ²	SF	CTC	Type of action
AS:CC (1:1)	First	24 h	Y=0.0267x+14.667	51.586±31.488	84.049-8.731	0.8889	1.3701	137.019	S
		48 h	Y=0.0183x+17.333	27.873±104.875	64.623-0.022	0.6302	2.4642	246.428	S
		72 h	Y=0.0217x+17.111	35.897±37.752	68.227-1.87	0.7369	1.4046	140.468	S
	Second	24 h	Y=0.0267x+13.889	54.749±37.111	89.725-7.462	0.8610	1.3603	136.031	S
		48 h	Y=0.0183x+16.556	28.334±337.922	68.466-0.001	0.6823	2.7311	273.113	S
		72 h	Y=0.0183x+17.333	27.873±104.874	64.622-0.022	0.6722	2.9510	295.102	S
	Third	24 h	Y=0.0233x+13.333	54.219±84.323	96.871-0.795	0.9074	1.6738	167.389	S
		48 h	Y=0.02x+15	39.591±162.511	82.147-0.021	0.7500	2.0137	201.376	S
		72 h	Y=0.0183x+16.111	30.943±379.719	72.443-0.0002	0.8561	1.6033	160.336	S
	Fourth	24 h	Y=0.0217x+10.889	88.454±979.589	142.756-0.001	0.7922	1.7199	171.995	S
		48 h	Y=0.0217x+11.556	75.054±792.431	127.095-0.001	0.8564	1.5194	151.945	S
		72 h	Y=0.0183x+13.556	44.622±38.828	208.471-9.551	0.8561	1.9430	194.305	S
AS:CC (2:1)	First	24 h	Y=0.0233x+15.556	42.452±42.611	77.451-2.421	0.9188	1.6650	166.501	S
		48 h	Y=0.02x+16.667	33.502±63.631	69.797-0.291	0.8571	2.0502	205.023	S
		72 h	Y=0.0183x+17.667	27.911±77.976	63.301-0.066	0.8403	1.8066	180.660	S
	Second	24 h	Y=0.0283x+14.444	46.661±60.087	85.619-1.286	0.8855	1.5961	159.610	S
		48 h	Y=0.0217x+15.667	38.593±61.829	76.107-0.566	0.8802	2.0051	200.513	S
		72 h	Y=0.0183x+16.667	28.722±222.456	68.185-0.001	0.6722	2.8637	286.379	S
	Third	24 h	Y=0.0217x+14.222	47.476±91.086	89.438-0.361	0.6671	1.9116	191.164	S
		48 h	Y=0.217x+14.222	45.257±91.258	86.781-0.294	0.6778	1.7616	176.165	S
		72 h	Y=0.02x+15.667	36.291±109.022	76.384-0.06	0.6667	1.3670	136.708	S
	Fourth	24 h	Y=0.02x+12	67.193±39.397	200.217-22.551	0.7500	2.2641	226.417	S
		48 h	Y=0.025x+11.667	70.834±93.831	116.289-1.599	0.8523	1.6099	160.997	S
		72 h	Y=0.025x+12.667	58.871±79.212	101.755-1.333	0.8152	1.4752	147.526	S
AS:CC (1:2)	First	24 h	Y=0.0217x+17.111	35.897±37.753	68.227-1.871	0.8741	1.9690	196.905	S
		48 h	Y=0.0183x+18.778	30.247±38.927	61.1071-0.9198	0.8326	2.2708	227.086	S
		72 h	Y=0.015x+20.222	27.453±41.874	57.2324-0.5011	0.8679	1.8367	183.673	S
	Second	24 h	Y=0.0267x+15.444	47.518±28.675	78.209-8.314	0.7967	1.5673	156.732	S
		48 h	Y=0.0217x+17.333	35.824±35.407	67.376-2.198	0.8284	2.1601	216.011	S
		72 h	Y=0.02x+18.333	33.569±34.192	64.0328-1.9217	0.7059	1.9392	193.922	S
	Third	24 h	Y=0.0283x+14.222	55.905±28.248	87.161-12.973	0.7423	1.6234	162.341	S
		48 h	Y=0.0283x+16.333	40.199±35.503	72.714-3.206	0.7101	1.9833	198.330	S
		72 h	Y=0.0217x+17.222	36.567±35.303	68.2633-2.3752	0.6094	1.8416	184.166	S
	Fourth	24 h	Y=0.0283x+11.444	74.133±48.078	113.931-10.427	0.9107	2.0522	205.221	S
		48 h	Y=0.0283x+12.444	63.707±42.641	101.217-8.654	0.9107	1.7900	179.008	S
		72 h	Y=0.025x+13.667	52.288±55.597	91.431-2.43	0.7813	1.6581	165.818	S

Note: LC₅₀ = lethal concentration that kills 50% of tested organism, SF, synergistic factor, CTC, co-toxicity coefficient