

Table 1. Effects of tested Insecticides on the population of adult stage of whitefly, *Bemisia tabaci* and incidence of yellow leaf curl virus (TYLCV) in tomato field of Nili plantation at El-Fayoum governorate

Treatments used	Rate/Fed	Average numbers of adults/ 75 leaves								Average of (TYLCV)	
		2002				2003				2002	2003
		No of adults		C.M%		No of adults		C.M%			
Initial	Residual	Initial	Residual	Initial	Residual	Initial	Residual				
Etopenprox 30%(trebon)	250 cc	7.5	36	93.5	84.2	7.3	35.7	92.4	83.9	5.9	5.7
Imidacloprid 20%(admire)	500cc	8.4	25.3	92.4	86.7	8.3	25.1	92.3	86.5	5.5	5.4
Acetamiprid 20%(mospilan)	100g	14.9	59.4	90.7	73.8	14.8	56.9	90.2	73.6	7.8	7.6
Thiamethoxam 25%(actra)	350g	24.2	46	91.6	90.2	23.8	31.4	91.6	90.1	5.2	4.9
Etopenprox/imidacloprid	250cc/500cc	10.2	22.61	93	86.5	9.48	22.96	93.5	86.3	4.5	4.3
Imidacloprid/Thiamethoxam	500cc/350cc	10.83	99.4	94.5	90	12.01	98.02	93.9	90.0	4.0	3.9
Thiamethoxam/acetamiprid	350cc/100g	15.82	175.53	92.5	83.5	16.261	171.28	92.3	83.9	5.0	5.2
Acetamiprid/Etopenprox	100g/250cc	10.41	34.99	93.51	81	10.89	35.17	93.2	80.9	5.1	4.9
Etopenprox/Thiamethoxam	250cc/350g	11.57	115.0	94.56	88.5	12.98	117.0	93.9	88.3	3.9	3.8
Acetamiprid/Imidacloprid	100g/500cc	10.86	31.41	92.55	81.25	11.01	31.41	93.0	81.0	5	5.4
check		1692.47 (24hr)	1`944.65 (3-4d)	-----		1690.59 (24hr)	945.1 (3-7d)	-----		22	21
		1430.43 (48hr)	13822.57 (3.14d) -			1431.5 (48hr)	13820.37 (3-14d)				

(TYLCV) was estimated after 30 and 60 days from planting.

C.M%= corrected mortality percentage.

Initial mortality=24hrs for (Imidacloprid, Etopenprox and Acetamiprid),48hrs for (Thiamethoxam).

Residual mortality = 3-7 days for (Imidacloprid, Etopenprox and Acetamiprid),3-14 days for (Thiamethoxam).

Table 2. Effects of tested Insecticides on the population of nymphal whitefly, *Bemisia tabaci* in tomato fields of Nili plantation at El-Fayoum governorate

Treatments used	Rate/Fed	Average number of nymphs/ leaf							
		2002				2003			
		No of nymph		C.M%		No of nymph		C.M%	
		Initial	Residual	Initial	Residual	Initial	Residual	Initial	Residual
Etofenprox 30%(trebon)	250 cc	1.2	4.2	90.8	74.8	1.0	4.0	90.4	74.5
Imidacloprid 20%(admir)	500cc	0.5	1.2	90.9	84.6	0.6	1.1	90.7	84.3
Acetamiprid 20%(mospilan)	100g	2.5	6.5	81.7	64.1	2.5	6.4	81.4	63.9
Thiamethoxam 25%(actra)	350g	6	2.8	63.1	90.8	5.9	2.7	62.9	90.6
Etofenprox/imidacloprid	250cc/500cc	0.77	2.13	92.2	82.5	0.79	2.14	92	82.3
Imidacloprid/Thiamethoxam	500cc/350cc	2.37	1.39	78.5	89.5	2.87	1.34	78.3	89.9
Thiamethoxam/acetamiprid	350cc/100g	4.17	3.76	74	80.5	4.18	3.81	73.9	80.25
Acetamiprid/Etofenprox	100g/250cc	1.87	4.95	87.3	73.1	1.93	4.9	86.9	72.8
Etofenprox/Thiamethoxam	250cc/350g	3.42	2.65	77.5	85.5	3.47	2.68	77.2	85.3
Acetamiprid/Imidacloprid	100g/500cc	1.32	2.77	87.5	78	1.4	2.82	87.1	77.8
Check		314.17	387.52	-----		310	385	-----	
		(48 hr)	(5.7d)			(48hr)	(5-7d)		
			367.5				370		
			(5-14d)				(5-14d)		

C.M%= corrected mortality percentage

Residual mortality = (3-7 days) for (Imidacloprid, Etofenprox and Acetamiprid).

Residual mortality= (5-14 days) for Thiamethoxam