

**Table(3):** Mean number of certain predators associated with *C. gnidiella*/ 10 trees in grape orchards treated with *T. evanescens* alone and combined with Agerin compared with the recommended insecticides in Mina region, 2006 season.

Farm name	Samp. Date	<i>C.undecimpunctata</i>			<i>C. carnea</i>			<i>O. albidipennis</i>			<i>P. alfierii</i>			True spiders			Predators total		
		T	T + A	RI	T	T + A	RI	T	T + A	RI	T	T + A	RI	T	T + A	RI	T	T + A	RI
The first orchard	19/5	2	1	0	0	0	0	2	0	0	1	2	0	5	7	2	10	10	2
	3/6	4	3	1	2	3	0	2	3	1	5	7	2	13	15	6	26	31	10
	18/6	15	11	2	6	8	2	7	8	3	9	11	4	17	20	8	54	58	19
	3/7	27	22	7	10	9	3	4	5	1	5	6	3	25	26	9	71	68	23
	18/7	24	21	10	8	7	2	5	6	2	10	8	2	21	23	5	68	65	21
	3/8	17	14	3	5	6	0	2	3	1	4	5	0	12	15	2	40	43	6
	Total	89	72	23	31	33	7	22	25	8	34	39	11	93	106	32	269	275	81
	Mean	14.8 a	13.7 a	3.8 b	5.2a	5.5a	1.2b	3.7a	4.0a	1.3b	5.7a	6.5a	1.8b	15.5b	17.7a	5.3b	44.8a	45.8a	13.5b
The second orchard	24/5	3	4	0	2	1	0	1	1	0	2	3	0	9	8	3	17	17	3
	8/6	17	20	4	5	7	1	4	6	1	8	10	3	15	19	8	49	62	17
	23/6	22	19	7	15	17	7	5	8	2	15	17	5	21	25	11	78	86	32
	8/7	28	31	8	18	19	8	11	15	5	19	21	3	29	32	8	105	112	32
	23/7	22	18	5	10	12	2	10	14	4	13	10	2	16	13	5	71	67	18
	7/8	15	14	3	5	7	0	3	2	0	6	7	0	10	11	2	39	41	5
	Total	107	106	27	55	63	18	34	46	12	63	68	13	100	108	37	359	385	107
	Mean	17.8 a	17.7 a	4.5 b	9.2a	10.5a	3.0b	5.7b	7.7a	2.0c	10.5a	11.3a	2.2b	16.7a	18.0a	6.2b	59.8b	64.2a	17.8c
The third orchard	29/5	2	2	0	1	1	0	1	0	0	2	2	1	4	5	1	10	10	2
	13/6	3	2	1	2	1	0	2	1	0	4	6	1	10	12	3	21	22	5
	28/6	10	12	3	5	7	2	4	3	1	8	10	2	14	13	5	41	45	13
	13/7	21	25	7	9	8	4	6	7	2	12	14	5	16	14	4	64	68	22
	28/7	19	20	5	6	4	1	5	6	2	8	10	2	9	11	3	47	51	13
	12/8	11	12	2	2	1	0	2	2	0	5	3	1	7	8	0	27	26	3
	Total	66	73	18	25	22	7	20	19	5	39	45	12	60	63	16	210	222	58
	Mean	11.0a	12.2 a	3.0 b	4.2a	3.7a	1.2b	3.3a	3.2a	0.8b	6.5a	7.5a	2.0b	10.0a	10.5a	2.7b	35.0a	37.0a	9.7b

Means of mean total of predators have the same letters of each grape orchard not differ in significancy at  $P < 0.05$ , as determined by Duncan's multiple range test.

**Table(4) :** Mean number of certain predators associated with *C. gnidiella*/ 10 trees in grape orchards treated with *T. evanescens* alone and combined with Agerin compared with the recommended insecticides in Mina region, 2007 season.

Farm name	Samp. Date	<i>C.undecimpuctata</i>			<i>C. carnea</i>			<i>O. albidipennis</i>			<i>P. alferil</i>			True spiders			Predators total		
		T	T + A	RI	T	T + A	RI	T	T + A	RI	T	T + A	RI	T	T + A	RI	T	T + A	RI
The first orchard	17/5	1	2	0	0	1	0	1	1	0	2	1	0	3	2	2	7	7	2
	1/6	3	5	0	1	3	1	2	3	1	4	6	1	8	11	3	18	28	6
	16/6	12	16	1	3	5	2	5	7	2	7	9	3	12	22	10	43	59	18
	1/7	20	25	5	8	7	4	3	7	2	9	12	5	19	15	7	59	66	23
	16/7	15	16	4	5	12	2	4	8	3	4	6	2	16	20	6	44	62	17
	1/8	10	13	2	4	7	1	2	2	1	2	2	2	12	15	3	30	39	9
	Total	61	77	12	21	35	10	17	28	9	28	36	13	70	85	31	201	261	75
Mean	10.2 a	12.8 a	2.0 b	3.5 a	5.8 a	1.7 b	2.8 a	4.7 a	1.5 b	4.7 a	3.6 a	2.2 b	11.7 a	14.2 a	5.2 b	33.5 b	43.5 a	12.5 c	
The second orchard	21/5	5	7	0	3	4	0	2	2	0	2	1	1	7	9	2	19	23	1
	5/6	11	15	3	7	10	3	6	5	1	7	5	4	13	18	9	44	53	20
	20/6	27	30	9	21	20	10	9	15	4	17	20	6	26	30	14	100	115	43
	5/7	35	39	12	17	23	7	16	21	7	22	28	4	35	39	6	125	150	36
	20/7	30	32	7	15	18	3	13	15	5	15	17	3	17	21	8	90	103	26
	4/8	18	20	5	6	9	1	5	7	2	5	7	2	13	15	3	47	58	15
	Total	126	143	36	69	84	24	51	65	19	68	78	20	111	122	42	425	502	141
Mean	21.0 a	23.8 a	6.0 b	11.5 b	14.0 a	4.0 c	8.5 a	10.8 a	3.2 b	11.3 a	13.0 a	3.3 b	18.5 a	20.3 a	7.0 b	70.8 b	83.7 a	23.5 c	
The third orchard	26/5	1	1	0	1	1	0	1	1	0	1	2	0	2	3	1	6	8	1
	10/6	2	2	1	1	3	1	1	3	0	3	4	1	5	7	2	12	19	5
	25/6	7	10	2	3	5	2	3	4	1	5	7	2	11	10	3	29	36	10
	10/7	15	19	4	5	4	3	6	9	3	8	8	4	8	12	4	42	52	18
	25/7	13	15	5	7	8	2	4	6	3	5	10	3	15	18	2	44	57	15
	9/8	8	10	1	1	3	1	2	3	0	3	2	1	7	5	1	21	23	4
	Total	46	57	13	18	24	9	17	26	7	25	33	11	48	55	13	154	195	53
Mean	7.7 a	9.5 a	2.2 b	3.0 a	4.0 a	1.5 b	2.8 a	4.3 a	2.3 b	4.2 a	5.5 a	1.8 b	8.0 a	9.2 a	2.2 b	25.7 b	32.5 a	8.8 c	

Means of mean total of predators have the same letters of each grape orchard not differ in significance at  $P < 0.05$ , as determined by Duncan's multiple range test.

**Table(6):** Amount of premature fallen grape fruits and fruit yield/tree (weight and number) in grape orchards treated with *T. evanescens* alone and combined with Agerin compared with the recommended insecticides in Minia region, 2006 and 2007 growing seasons.

Season	2006											
	The first grape orchard				The second grape orchard				The third grape orchard			
Item	T	T+A	RI	C	T	T+A	RI	C	T	T+A	RI	C
No of mature grape/tree	1901 b	2160 a	1856 b	1790 c	1702 b	1842 a	1739 b	1518 c	2116 b	2335 a	2238 a	1952 c
No of premature fallen grape /tree	75 b	59 c	63 c	325 a	30 b	24 c	27 b	216 a	107 b	95 c	115 b	481 a
% fallen grape	3.95 b	2.73 b	3.39 b	18.16 a	1.76 b	1.30 b	1.55 b	14.22 a	5.06 b	4.07 b	5.13 b	24.64 a
Weight of mature grape/tree kg	10.5 a	11.3 a	11.0 a	8.2 a	9.5 a	10.4 a	10.0 a	7.8 b	11.3 a	11.8 a	11.2 a	8.7 b
Weight of premature grape/tree	0.75	0.50	0.65	2.8	0.25	0.20	0.25	2.20	0.85	0.675	0.90	3.2
% Increasing in yield/control	21.90 b	27.43 a	25.45 a	--	17.89 c	25.0 a	22.0 b	--	23.0 b	26.27 a	22.32 b	--
% loss	7.14 b	4.42 c	5.91 b	34.15 a	2.63 b	1.92 b	2.50 b	28.21 a	7.52 b	5.72 c	8.04 b	36.78 a
Season	2007											
No of mature grape/tree	1855 b	1987 a	1819 b	1683 c	1620 b	1759 a	1652 b	1425 c	2018 b	2219 a	1981 b	1773 c
No of premature fallen grape /tree	49 b	35 b	42 b	371 a	21 c	15 c	25 c	276 a	44 b	31 b	47 b	459 a
% fallen grape	2.64 b	1.76 b	2.31 b	22.90 a	1.30 b	0.85 b	1.51 b	19.37 a	2.18 b	1.39 b	2.37 b	25.89 a
Weight of mature grape/tree	10.1 a	11.0 a	10.3 a	7.8 b	10.8 a	11.2 a	10.5 a	8.7 b	12.0 a	12.4 a	11.7 a	8.5 b
Weight of premature grape/tree	0.55 b	0.27 c	0.60 b	2.5 a	0.32 b	0.26 c	0.35 b	2.6 a	0.57 b	0.45 c	0.60 b	2.3 a
% Increasing in yield/control	22.77 b	29.09 a	24.27 b	--	19.44 b	22.32 a	17.14 b	--	29.17 b	31.45 a	27.35 b	--
% loss in yield	5.45 b	2.45 c	5.83 b	32.11 a	2.96 b	2.32 b	3.33 b	32.10 a	4.75 b	3.63 c	5.13 b	27.06 a

Means have the same letters of each grape orchard not differ in significance at  $P < 0.05$ , as determined by Duncan's multiple range test.