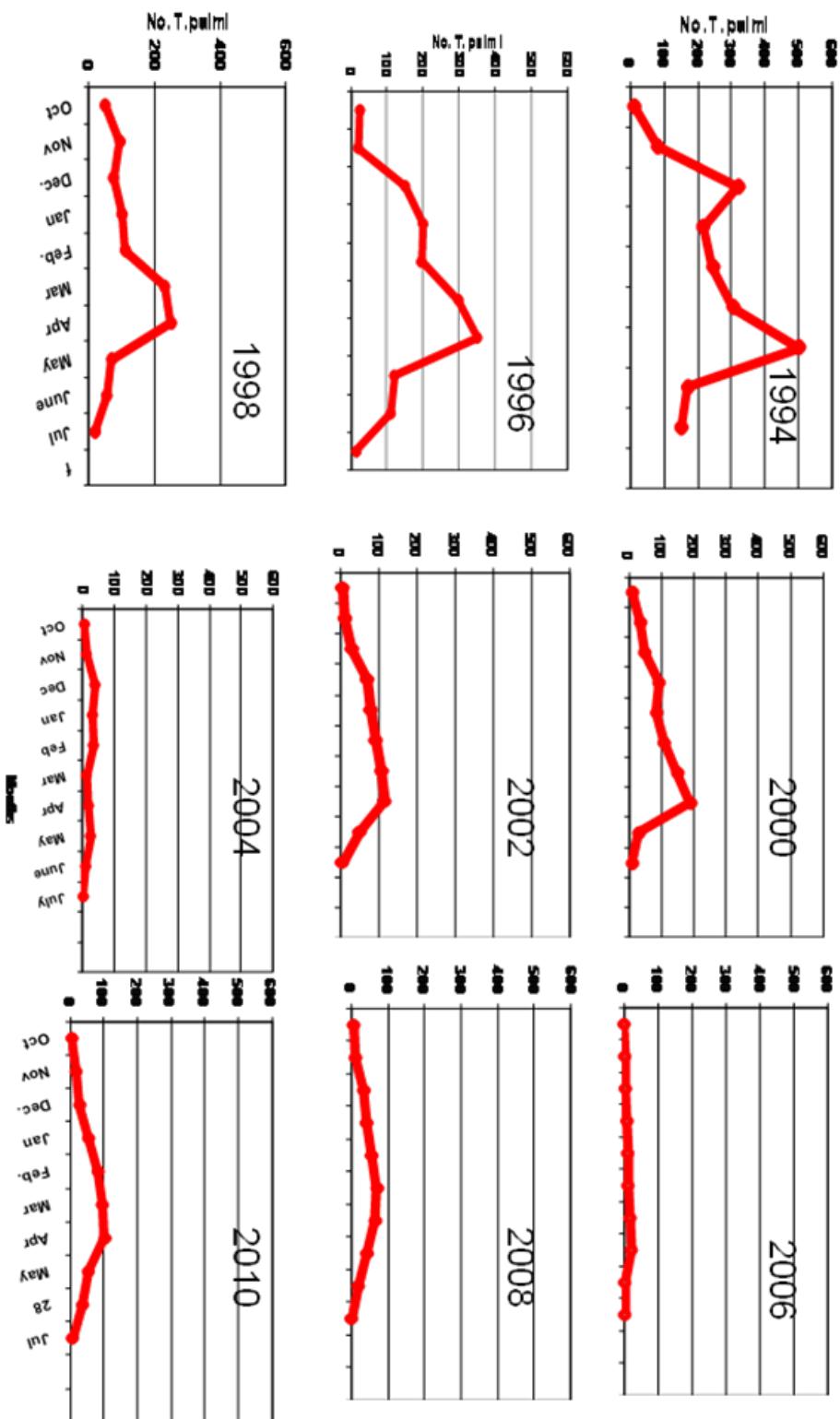


**POPULATION TRENDS AND CONTROL OF MELON THRIPS  
USING INSECTICIDES OF VARIOUS MODES OF ACTION**

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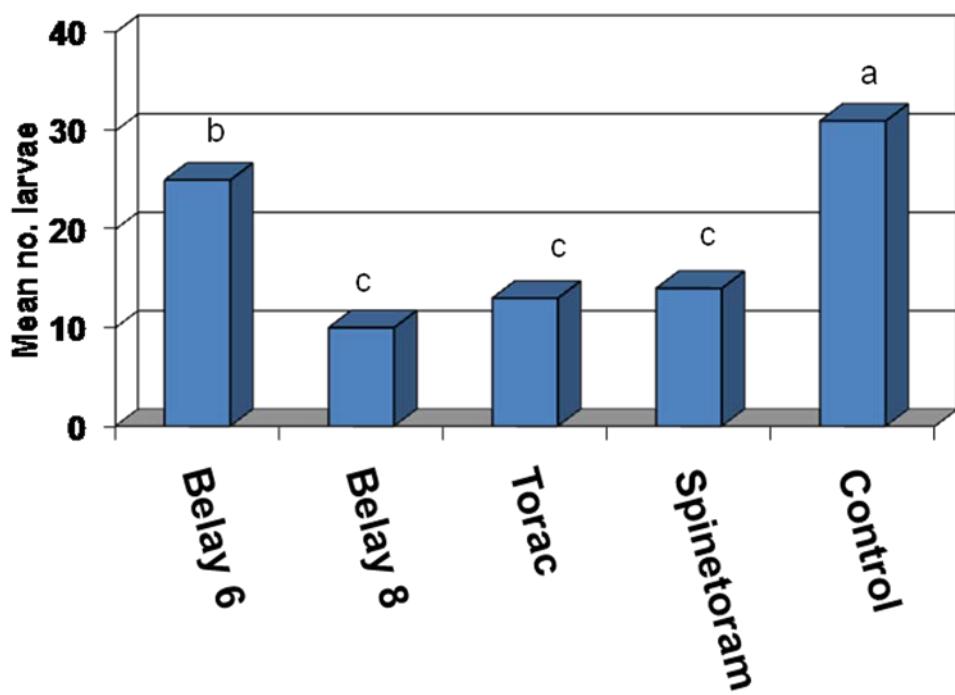
**Figure 1. Seasonal abundance of *T. palmi* in 'Pod Squad' beans during 1994 – 2010**

**Table 1. Percentage control of *T. palmi* on 'Pod Squad' bean treated with various insecticides.**

Common name	Trade name	Formulation <sup>z</sup>	Rate in oz (lb a. i.)/ acre	Mode of action group	Range of control (%)	Mean % Control
	<b>Glycoside insecticide and fermentation products</b>					
Abamectin	Agrimek®	0.15EC	16.0 (0.02)	6	48 - 67	59.8
Spinosad	Spintor®	2SC	8.0 (0.13)	5	58 - 75	70.2
Spinetoram	Radiant™	2SC	8.0 (0.13)	5	63 - 77	74.5
	<b>Benzoylurea</b>					
Diflubenzuron	Dimilin®	2L	2.0 (0.50)	15	38 - 52	47.6
Novaluron	Rimon®	0.83EC	12.0 (0.74)	15	42 - 55	48.2
	<b>Carbamates</b>					
Formatenate hydrochloride	Carzol	SP	16.0 (0.92)	1A	82 - 98	94.8
Oxamyl	Vydate®	L	16.0 (0.25)	1A	52 - 68	61.2
Methomyl	Lannate	LV	16.0 (0.25)	1A	54 - 70	63.5
Carbaryl	Sevin	XLR Plus	32.0 (0.88)	1A	41 - 55	51.4
<i>methiocarb</i>	Mesurol®	750	16.0 (0.75)	1A	36 - 51	45.2
	<b>Arylpyrrole</b>					
Chlorfenapyr	Alert®		12.0 (0.71)	13	84 - 97	93.4

		Neonicotinoids				
Imidacloprid	Admire	2F	16.0 (0.25)	4A	45 - 56	50.2
Imidacloprid	Provado	1.6F	3.8 (0.05)	4A	48 - 65	56.4
Thiamethoxam	Platinum		8.0 (0.11)	4A	38 - 49	46.2
Thiamethoxam	Actara®	25WG	4.0 (0.06)	4A	39 - 47	45.4
Clothianidin	Belay®	15 EC	8.0 (0.07)	4	55 - 78	70.5
	<b>Anthranilic diamide</b>					
Cyazypyrr™	DPX-HGW86	10 SE	13.5 (0.07)	28	48 - 64	59.6
Rynaxypyr	Coragen®	1.67SC	5.0 (0.07)	28	38 - 51	44.2
	<b>Pyrazole</b>					
Tolfenpyrad	Hatchi Hatchi	15EC	21.0 (0.08 )	21	52 - 76	69.6

<sup>7</sup>EC, emulsifiable concentrarate; F or L, flowable liquid; LV, low volume; SC, suspension concentrates; SE, suspo-emulsion; SP, soluble powder; WG, Wettable granule



**Figure 2. Effectiveness of tolfenpyrad (Torac) and clothianidine (Belay) in controlling *T. palmi* in 'Pod Squad' bean, 2010**