











































Country	Geographical coordinates		inates	s Concentration [n			/g honey]		% of EU MRL (in brackets below: MRL in ng/g)					
Country			Precision •	ACE	CLO	IMI	THP	тнм	ACE (50)	CLO (10)	IMI (50)	THP (50)	THM (1	) Sum of % EU MRL #
New Zealand	35*52 S	174°26 E	1	< LOQ	< LOQ	< LOQ	< LOQ	0.344					0.69%	0.69%
New Zealand	43*58 S	170°20 E	3	0.034	< LOQ	0.063	0.018	0.337	0.07%		0.13%	0.04%	0.67%	0.90%
New Zealand	43°18 S	171°49 E	2	< LOQ	< LOQ	0.020	< LOQ	< LOQ			0.04%			0.04%
lew Zealand	43°19 S	171°50 E	2	< LOQ	< LOQ	0.071	< LOQ	< LOQ	/		0.14%			0.14%
1 co			_						-					MRL#
6		< LOQ		LOQ	< LO0	Q	< LOQ	0.34	4					0.69%
ç		< LOQ 0.034	-	LOQ LOQ	< LO0		< LOQ 0.018	0.34	·				-	0.69%
<i>چ</i> + ( 1			-			3			7				-	
Ş		0.034		LOQ	0.063	3	0.018	0.33	7 Q				+	0.90%

Pesticide	Measured variable	Reported effect	Conc	entration	Reference		
	weasured variable	Reported effect	[ng/g]	[ng/ml]	[ng/ind.]	Keterence	
	Mortality	Significant increase	0.7				
Imidacloprid	Size of hypopharyngeal glands (HPGs)	Significant decrease in combination with	7			Alaux et al. 2010	Cor specifi
	Glucose oxidase activity	Nosema infection				]	
Imidacloprid	Foraging performance	-6% to -20%	1-10			Cresswell 2011	
Thiamethoxam	Homing capacity of foraging bees	-10% to -32%		0.067		Henry et al. 2012	1.34
Imidacloprid	Olfactory associative behavior of adult bees when larvae were exposed	Significant decrease			0.04	Yang et al. 2012	
Imidacloprid	Mushroom body Kenyon cells (KC) neuronal firing and	Depolarization of KC & inhibition of	2.56	2.56		Palmer et al.	
Clothianidin	nicotinic response	Acetylcholine-evoked responses	2.50	2.50		2013	susta Nico
	Volume of hypopharyngeal gland's lobe	-15% to -16%					
Imidacloprid	Bursting pattern of abdominal ventilation movements: inter-	+59%	2.1 & 2.7			Hatjina et al. 2013	2.1 ng