

Varroa monitoring of White Technoset Beehive 198

This hive has not had any drug based strips used since April 2017.

Various alternative treatments were tested in Spring 2017 but mite numbers ended up too high.

1st Dec 2017 Apiguard gel was added. The hive built back up to 10 frames of bees.

25 -02-2018 Mite numbers increasing again. Hive back to 8 frames of bees.

25-02-2018 Starting fogging with Oxalic Acid each week. Killed lots of mites but didn't bring it down to an acceptable level before winter.

We used a liquid Oxalic Acid solution in a Mini Thermal Fogger. (Our own special recipe) The same results should be achieved with an electric vapouriser - designed for Oxalic Acid.

A 270mm x 350mm white tray under a vented Technoset floor was used for mite counts.

Date	Time	Notes	Hours	Mite Count	Mites per hr
9/03/2018		Fogged with Oxalic Acid			
10/03/2018	2.00pm	Caught queen & put into Queen Cage Frame			
16/03/2018		9 frames bees. Fogged with Oxalic Acid			
17/03/2018		Checked queen was OK in the cage and no queen cells.			
24/03/2018		Average natural Mite drop per day	24	4	
31/03/2018		Removed Queen Cage Frame. Released queen			
3/04/2018		No capped brood. Queen laying lots of eggs.			
3/04/2018	4.00pm	Sugar shake test - 250ml of bees.		5	
4/04/2018	7.15am	Fogged with Oxalic Acid			
4/04/2018	8.30am	Tray count	1.25	3	2.4
4/04/2018	5.00pm	Tray count	8.5	81	9.5
5/04/2018	7.30am	Tray count	14.5	47	3.2
5/04/2018	4.30pm	Tray count	9	11	1.2
6/04/2018	7.30am	Tray count	15	13	0.9
6/04/2018	5.30pm	Tray count	10	2	0.2
7/04/2018	5.00pm	Tray count	11.5	3	0.3
8/04/2018	7.30pm	Tray count	14.5	3	0.2
9/04/2018	5.15pm	Tray count	21.75	1	0.0
16/04/2018	8.45am	Cleaned tray			
16/04/2018	1.45pm	Sugar shake test - 250ml of bees.		0	
16/04/2018	5.30pm	Tray count		0	
19/04/2018	10.00am	Tray count		0	
25/04/2018	2.30pm	Tray count. 9 frames bees. 4 frames of nice brood	148.5	1	

Beequip NZ