



# Varroa Mite Control Product Use By Product (Virginia)

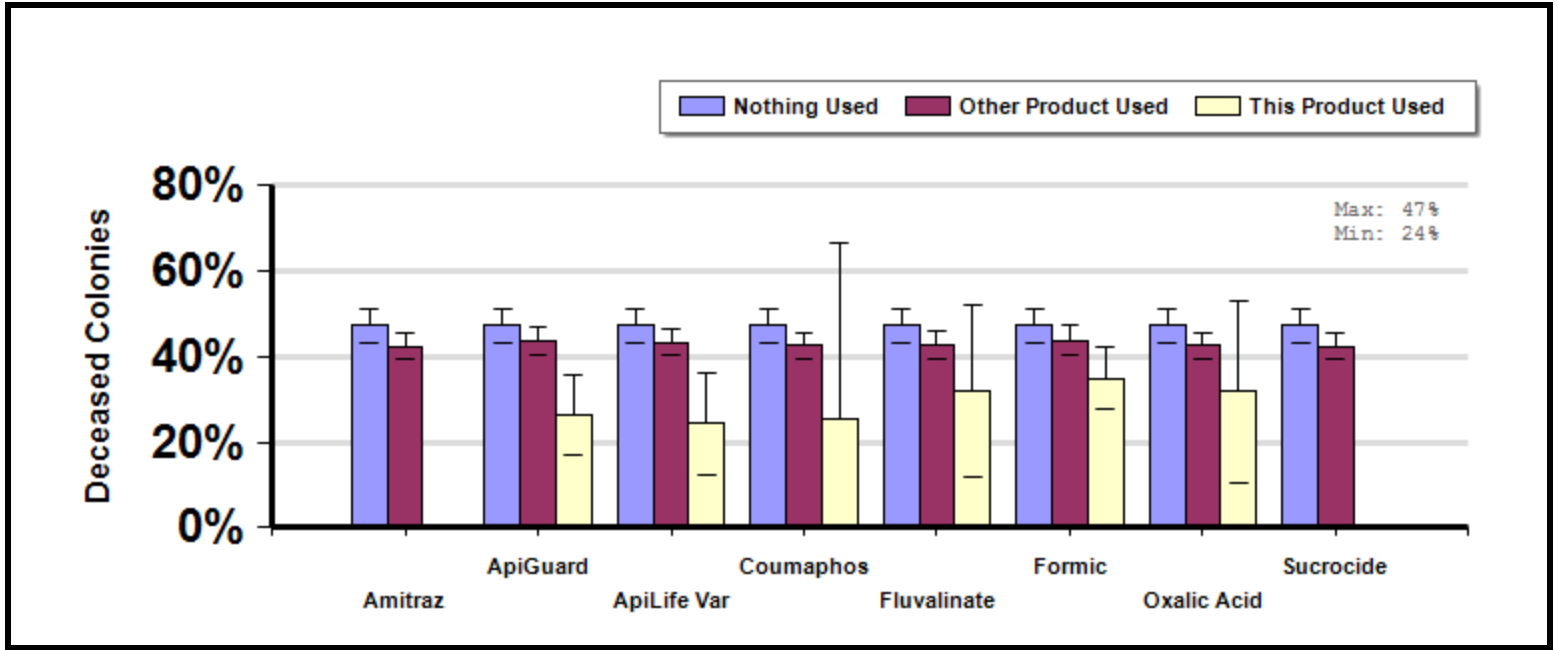
Management Survey 2013

( Filtered by: Virginia )

## Winter

Report ID: 54-2013

A comparison of average winter colony mortality among beekeepers who reportedly applied different known varroa control products, at least once, to a majority of their colonies between April and March of the following year. Known varroa control products include ApiGuard, ApiLife Var, Amitraz, Coumaphos (i.e. CheckMite), Fenpyroximate (Hivastan), Fluvalinate (i.e. Apistan), Formic Acid (i.e. Mite Away II) Sucroside, and Oxalic Acid. Oxalic Acid is a known varroa control product that is not registered for use in the US



## Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April 1, 2012 and March, 2013?

- ApiGuard
- ApiLife
- Amitraz
- Fluvalinate
- Formic Acid
- Oxalic Acid
- Sucroside

		Total Number of Respondents Providing Valid Responses	Total Number of Colonies Managed	Average Number of Colonies Managed		Average Colony Loss
				Mean	Standard Error	Mean(%) [Lower, Upper] CI
Amitraz	Nothing	324	2,425	7.5	0.6	47.2 [43.3,51.0]

	Used					
	Other Product Used	486	19,602	40.3	28.0	<b>42.4 [39.3,45.5]</b>
ApiGuard	Nothing Used	324	2,425	7.5	0.6	<b>47.2 [43.3,51.0]</b>
	This Product Used	38	618	16.3	3.2	<b>26.1 [16.8,35.4]</b>
	Other Product Used	450	19,008	42.2	30.2	<b>43.7 [40.4,46.9]</b>
ApiLife Var	Nothing Used	324	2,425	7.5	0.6	<b>47.2 [43.3,51.0]</b>
	This Product Used	26	212	8.2	1.7	<b>24.2 [12.5,36.0]</b>
	Other Product Used	462	19,414	42.0	29.4	<b>43.3 [40.2,46.5]</b>
Coumaphos	Nothing Used	324	2,425	7.5	0.6	<b>47.2 [43.3,51.0]</b>
	This Product Used	6	128	21.3	18.9	<b>25.6 [0.0,66.5]</b>
	Other Product Used	482	19,498	40.5	28.2	<b>42.5 [39.4,45.6]</b>
Fluvalinate	Nothing Used	324	2,425	7.5	0.6	<b>47.2 [43.3,51.0]</b>
	This Product Used	13	131	10.1	5.3	<b>31.8 [11.8,51.9]</b>
	Other Product Used	475	19,495	41.0	28.6	<b>42.6 [39.5,45.7]</b>
Formic	Nothing Used	324	2,425	7.5	0.6	<b>47.2 [43.3,51.0]</b>
	This Product Used	79	16,287	206.2	171.9	<b>34.8 [27.5,42.2]</b>
	Other Product Used	409	3,339	8.2	0.7	<b>43.7 [40.4,47.1]</b>
Oxalic Acid	Nothing Used	324	2,425	7.5	0.6	<b>47.2 [43.3,51.0]</b>
	This Product Used	10	275	27.5	13.2	<b>31.7 [10.5,52.9]</b>
	Other Product	478	19,351	40.5	28.5	<b>42.5 [39.4,45.6]</b>

	Used					
Sucroside	Nothing Used	324	2,425	7.5	0.6	<b>47.2 [43.3,51.0]</b>
	Other Product Used	488	19,626	40.2	27.9	<b>42.3 [39.2,45.4]</b>

---

### Comments About This Data

---

### Relevant Links, References, and Citations

Funded By:



United States  
Department of  
Agriculture

National Institute  
of Food  
and Agriculture

This information is for educational purposes only. References to commercial products or trade names do not imply endorsement by the Bee Informed Partnership or its members. The results presented here are the summary of the population who responded. The sample may not be representative of the beekeeping population at large. These results simply highlight differences in the sample population. The results cannot be considered conclusive, causative, protective, or attest to product efficacy or lack of efficacy.