

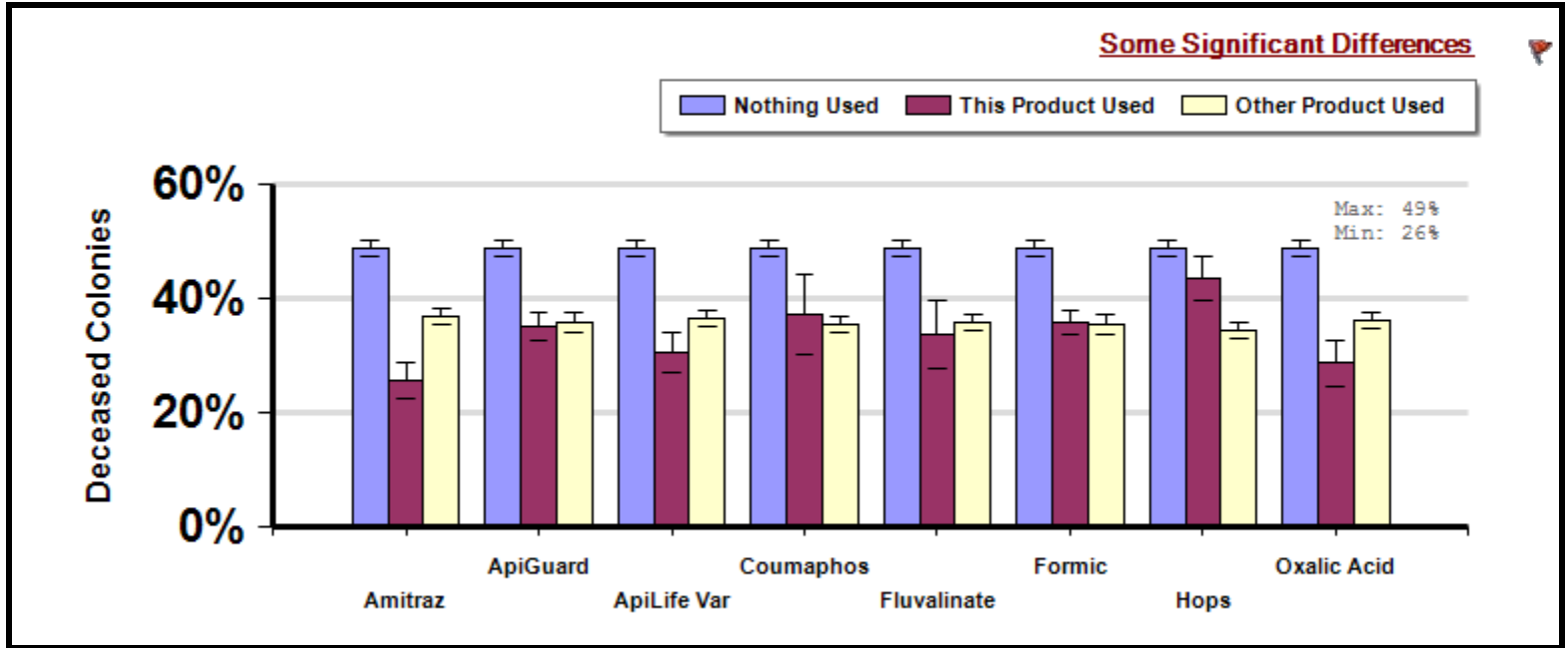


## Varroa Mite Control Product Use By Product

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.

### Winter

Report ID: 54-  
2014



### Interpretation

The following products have shown significant differences when used for Varroa control treatment, Amitraz, ApiGuard, ApiLife Var, Coumaphos, Fluvalinate, Formic Acid, and Oxalic Acid.

### Survey Question

Which, if any of the following, did you apply to a majority of your colonies between April 1, 2013 and March, 2014?

- ApiGuard
- ApiLife
- Amitraz
- Coumaphos
- Fluvalinate
- Formic Acid
- Oxalic Acid
- Hopguard

		Total Number of Respondents Providing Valid	Total Number of Colonies Managed	Average Number of Colonies Managed	Average Colony Loss

		Responses				
				Mean	Standard Error	Mean(%) [Lower, Upper] CI
Amitraz	Nothing Used	3,269	99,042	30.3	20.9	48.9 [47.5,50.2]
	This Product Used	261	348,050	1333.5	193.2	25.7 [22.5,28.9]
	Other Product Used	2,091	79,497	38.0	10.0	36.9 [35.4,38.4]
ApiGuard	Nothing Used	3,269	99,042	30.3	20.9	48.9 [47.5,50.2]
	This Product Used	744	151,147	203.2	49.8	35.3 [32.8,37.7]
	Other Product Used	1,608	276,400	171.9	27.7	35.8 [34.2,37.5]
ApiLife Var	Nothing Used	3,269	99,042	30.3	20.9	48.9 [47.5,50.2]
	This Product Used	334	26,233	78.5	38.0	30.5 [27.0,34.0]
	Other Product Used	2,018	401,314	198.9	28.0	36.5 [35.0,38.0]
Coumaphos	Nothing Used	3,269	99,042	30.3	20.9	48.9 [47.5,50.2]
	This Product Used	88	10,256	116.5	86.9	37.2 [30.2,44.3]
	Other Product Used	2,264	417,291	184.3	25.4	35.6 [34.2,37.0]
Fluvalinate	Nothing Used	3,269	99,042	30.3	20.9	48.9 [47.5,50.2]
	This Product Used	121	14,924	123.3	50.0	33.7 [27.7,39.6]
	Other Product Used	2,231	412,623	184.9	25.8	35.8 [34.4,37.2]
Formic	Nothing Used	3,269	99,042	30.3	20.9	48.9 [47.5,50.2]

	This Product Used	928	93,807	101.1	26.1	35.8 [33.7,38.0]
	Other Product Used	1,424	333,740	234.4	36.9	35.5 [33.8,37.3]
Hops	Nothing Used	3,269	99,042	30.3	20.9	48.9 [47.5,50.2]
	This Product Used	311	44,670	143.6	53.9	43.6 [39.8,47.3]
	Other Product Used	2,041	382,877	187.6	27.2	34.5 [33.0,35.9]
Oxalic Acid	Nothing Used	3,269	99,042	30.3	20.9	48.9 [47.5,50.2]
	This Product Used	181	106,570	588.8	146.4	28.7 [24.7,32.8]
	Other Product Used	2,171	320,977	147.8	23.6	36.2 [34.8,37.7]

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## Comments About This Data

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## Relevant Links, References, and Citations

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