



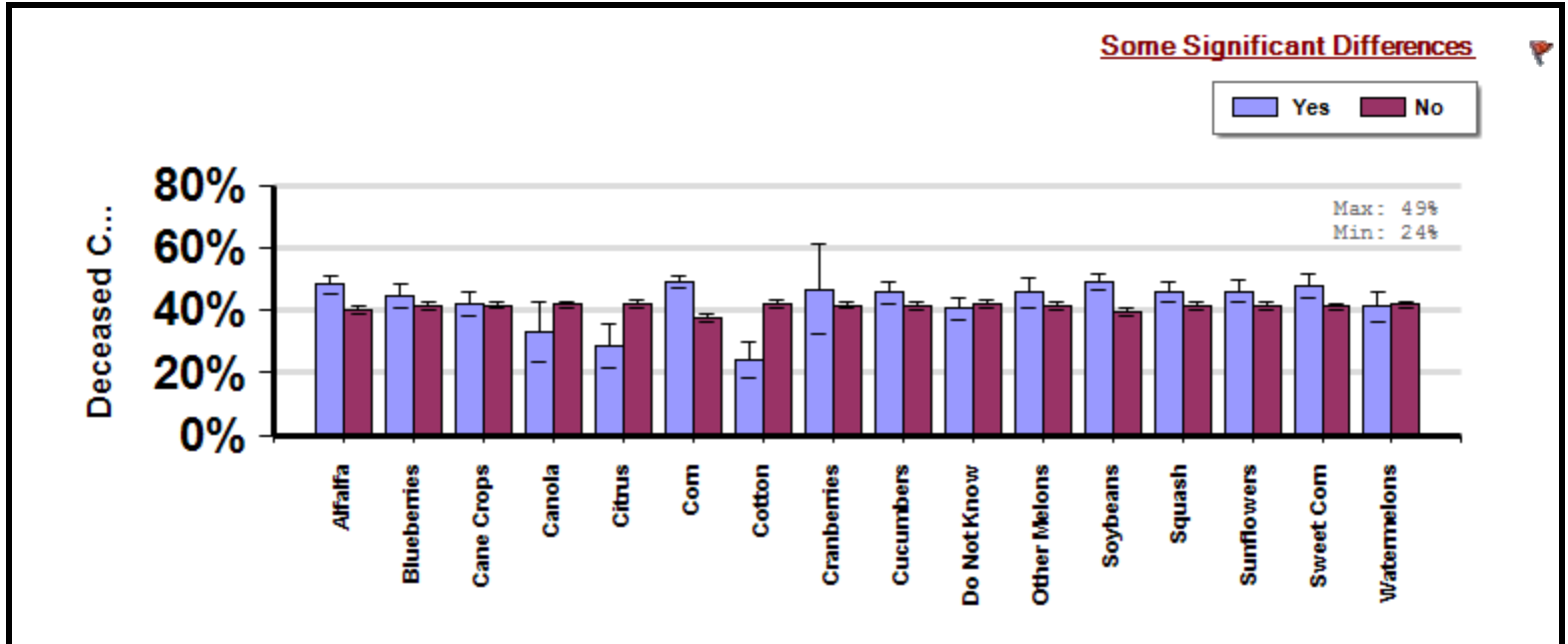
# Crops Close to Colonies During Honey Flow

Management Survey 2014

Average winter colony mortality reported by beekeepers whose colonies were in proximity to various crops while they were producing honey between April and March.

## Winter

Report ID: 86-2014



## Interpretation

Beekeepers who reported positioning their colonies in close proximity to cotton and citrus reported losing fewer colonies than those who did not report positioning their colonies in close proximity to citrus and cotton. Beekeepers who reported positioning their colonies in close proximity to alfalfa, corn, soybeans, squash, sunflowers, and sweet corn reported losing more colonies than those who did not report positioning their colonies in close proximity to alfalfa, corn, soybeans, squash, sunflowers, and sweet corn. There are no significant differences between all other groups. In other words, beekeepers who reported positioning their colonies in close proximity to blueberries, cane crops, canola, cranberries, cucumbers, melons, and watermelons did not report losing more or less colonies than those who did not report being in close proximity to those plants.

## Survey Question

Which of the following crops were the majority of your colonies in proximity to when they were producing honey?

		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

Alfalfa	Yes	674	233,176	346.0	67.7	48.3 [45.7,50.9]
	No	3,017	242,932	80.5	24.8	40.4 [39.1,41.7]
Blueberries	Yes	374	26,425	70.7	26.3	44.8 [41.1,48.4]
	No	3,317	449,683	135.6	26.3	41.5 [40.3,42.7]
Cane Crops	Yes	392	15,097	38.5	17.8	42.1 [38.4,45.7]
	No	3,299	461,011	139.7	26.6	41.8 [40.6,43.0]
Canola	Yes	36	61,831	1717.5	512.4	33.3 [23.7,43.0]
	No	3,655	414,277	113.3	23.4	41.9 [40.8,43.1]
Citrus	Yes	75	35,141	468.5	170.1	28.9 [21.8,36.0]
	No	3,616	440,967	121.9	24.0	42.1 [40.9,43.3]
Corn	Yes	1,314	134,792	102.6	23.4	49.3 [47.4,51.2]
	No	2,377	341,316	143.6	34.6	37.7 [36.3,39.2]
Cotton	Yes	88	37,998	431.8	176.9	23.9 [18.1,29.8]
	No	3,603	438,110	121.6	24.0	42.3 [41.1,43.5]
Cranberries	Yes	27	7,899	292.6	266.3	46.9 [32.6,61.2]
	No	3,664	468,209	127.8	23.9	41.8 [40.6,43.0]
Cucumbers	Yes	361	28,023	77.6	37.2	45.7 [42.1,49.4]
	No	3,330	448,085	134.6	26.1	41.4 [40.2,42.6]
Do Not Know	Yes	503	34,344	68.3	36.0	40.6 [37.3,43.9]
	No	3,188	441,764	138.6	27.0	42.0 [40.8,43.3]
Other Melons	Yes	223	28,029	125.7	55.5	45.7 [41.1,50.3]
	No	3,468	448,079	129.2	25.1	41.6 [40.4,42.8]
Soybeans	Yes	858	164,827	192.1	85.6	49.1 [46.7,51.5]
	No	2,833	311,281	109.9	17.0	39.6 [38.3,41.0]
Squash	Yes	416	32,845	79.0	33.8	46.1 [42.7,49.4]
	No	3,275	443,263	135.3	26.5	41.3 [40.1,42.5]
Sunflowers	Yes	381	79,973	209.9	62.2	46.3 [42.6,50.0]
	No	3,310	396,135	119.7	25.6	41.3 [40.1,42.6]

Sweet Corn	Yes	344	12,468	36.2	14.0	47.7 [44.0,51.5]
	No	3,347	463,640	138.5	26.2	41.2 [40.0,42.5]
Watermelons	Yes	170	25,354	149.1	71.4	41.2 [36.2,46.3]
	No	3,521	450,754	128.0	24.7	41.9 [40.7,43.1]

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## Comments About This Data

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### Relevant Links, References, and Citations

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