



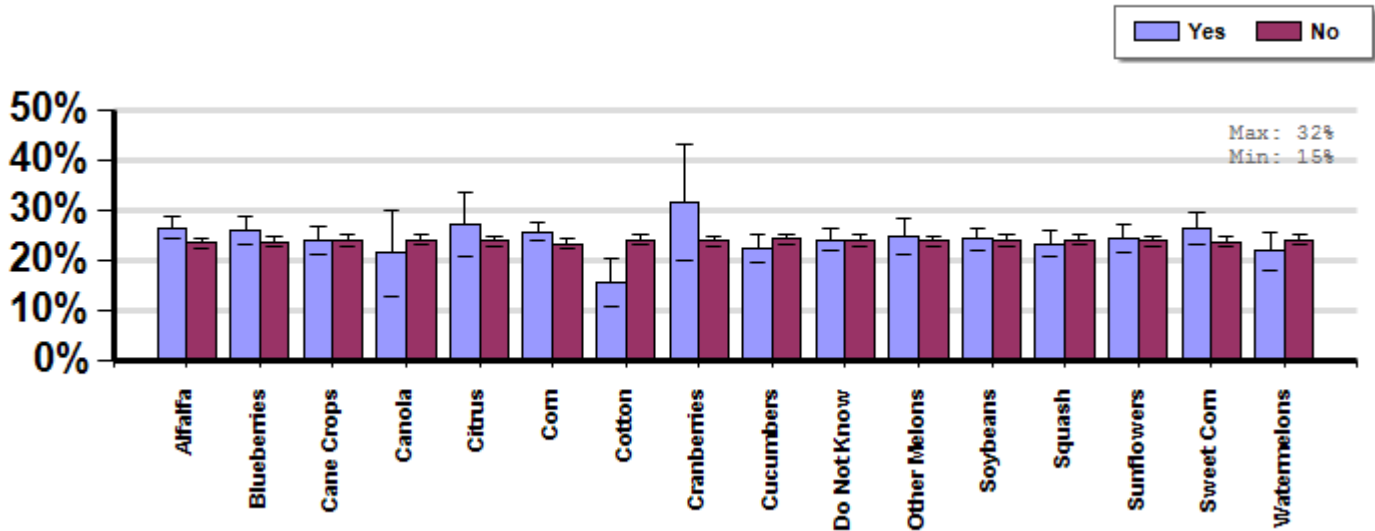
Crops Close to Colonies During Honey Flow

Average winter colony mortality reported by beekeepers whose colonies were in proximity to various crops while they were producing honey between April, 2011 and March, 2012.

Winter

Report ID: 86-2012

Some Significant Differences



Interpretation

Beekeepers who reported positioning their colonies in close proximity to cotton reported losing 8.6 fewer colonies per 100 managed colonies or an average of 35.7% less than those that reported placing their colonies in close proximity to other crops.

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 95% CI	Upper 95% CI
Alfalfa	Yes	619	125,102	202.1	56.1	26.5	24.1	28.8
	No	3,097	114,225	36.9	7.8	23.4	22.3	24.5
Blueberries	Yes	464	17,085	36.8	14.2	25.9	23.0	28.8
	No	3,252	222,242	68.3	12.9	23.6	22.6	24.7
Cane Crops	Yes	461	10,541	22.9	12.0	23.7	20.9	26.6
	No	3,255	228,786	70.3	12.9	23.9	22.9	25.0
Canola	Yes	29	20,965	722.9	520.3	21.3	12.6	30.0
	No	3,687	218,362	59.2	10.7	23.9	22.9	24.9
Citrus	Yes	83	31,133	375.1	138.3	27.2	20.7	33.6
	No	3,633	208,194	57.3	11.2	23.8	22.8	24.8
Corn	Yes	972	66,365	68.3	20.6	25.7	23.8	27.6
	No	2,744	172,962	63.0	13.7	23.3	22.1	24.4
Cotton	Yes	77	36,098	468.8	231.4	15.5	10.8	20.2
	No	3,639	203,229	55.8	10.6	24.1	23.1	25.1
Cranberries	Yes	32	15,909	497.2	468.3	31.6	19.9	43.3
	No	3,684	223,418	60.6	10.8	23.8	22.9	24.8
Cucumbers	Yes	454	7,046	15.5	3.4	22.3	19.5	25.1
	No	3,262	232,281	71.2	13.0	24.1	23.1	25.2
Do Not Know	Yes	810	7,832	9.7	2.6	24.0	21.8	26.1
	No	2,906	231,495	79.7	14.6	23.9	22.8	25.0
Other Melons	Yes	291	15,799	54.3	29.7	24.8	21.2	28.5
	No	3,425	223,528	65.3	12.1	23.8	22.8	24.8
Soybeans	Yes	633	38,210	60.4	25.8	24.2	21.9	26.5
	No	3,083	201,117	65.2	12.7	23.8	22.8	24.9
Squash	Yes	551	12,300	22.3	5.5	23.2	20.7	25.8
	No	3,165	227,027	71.7	13.4	24.0	23.0	25.1
Sunflowers	Yes	517	47,236	91.4	49.1	24.3	21.6	26.9
	No	3,199	192,091	60.0	10.6	23.9	22.8	24.9
Sweet Corn	Yes	361	4,821	13.4	2.8	26.4	23.2	29.7
	No	3,355	234,506	69.9	12.7	23.6	22.6	24.7

Watermelons	Yes	226	16,594	73.4	38.7	21.8	18.0	25.6
	No	3,490	222,733	63.8	11.9	24.0	23.0	25.1

Comments About This Data

Relevant Links, References, and Citations

Funded By:

		United States Department of Agriculture	National Institute of Food and Agriculture
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