

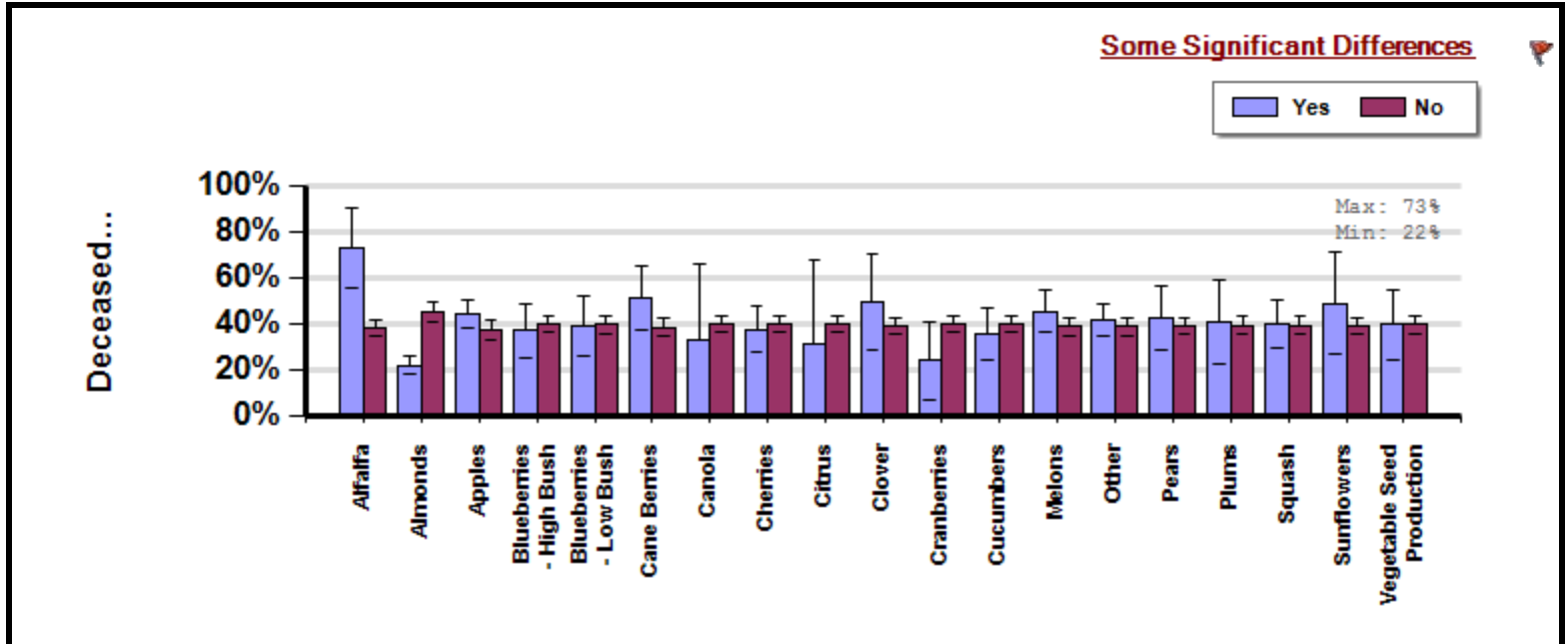


Pollination of Various Crops

Average winter colony mortality reported by beekeepers whose colonies were or were not used for pollination between April and March.

Winter

Report ID: 101-
2014



Interpretation

Beekeepers that pollinated almonds saw 23.3 fewer losses per 100 managed colonies (51.7% fewer losses) than those who did not pollinate almonds. Beekeepers that pollinated alfalfa saw 34.8 greater losses per 100 managed colonies (47.8% greater losses) than those who did not pollinate alfalfa.

Survey Question

You indicated that you derived income from renting colonies for pollination last year. Which of the following crops were you paid to pollinate over the last year?

		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	14	9,426	673.3	618.2	72.8 [55.2,90.4]
	No	337	421,696	1251.3	252.1	38.0 [34.5,41.5]
Almonds	Yes	86	401,095	4663.9	896.8	21.8 [18.2,25.5]

	No	265	30,027	113.3	25.7	45.1 [40.9,49.4]
Apples	Yes	120	164,762	1373.0	621.2	44.4 [38.5,50.2]
	No	231	266,360	1153.1	181.7	36.8 [32.5,41.2]
Blueberries - High Bush	Yes	32	40,387	1262.1	561.8	36.9 [25.0,48.7]
	No	319	390,735	1224.9	261.9	39.7 [36.0,43.3]
Blueberries - Low Bush	Yes	26	42,553	1636.7	710.5	39.1 [26.3,51.9]
	No	325	388,569	1195.6	256.7	39.4 [35.8,43.1]
Cane Berries	Yes	27	15,083	558.6	286.1	51.3 [37.4,65.2]
	No	324	416,039	1284.1	262.3	38.4 [34.8,42.0]
Canola	Yes	5	32,364	6472.8	3698.7	32.5 [0.0,65.9]
	No	346	398,758	1152.5	239.7	39.5 [36.0,43.0]
Cherries	Yes	36	88,439	2456.6	775.9	37.5 [27.4,47.6]
	No	315	342,683	1087.9	255.4	39.6 [35.9,43.4]
Citrus	Yes	5	587	117.4	81.7	31.3 [0.0,67.8]
	No	346	430,535	1244.3	246.7	39.5 [36.0,43.1]
Clover	Yes	15	27,306	1820.4	754.9	49.1 [28.1,70.0]
	No	336	403,816	1201.8	251.9	39.0 [35.4,42.5]
Cranberries	Yes	8	11,652	1456.5	847.6	23.8 [7.0,40.7]
	No	343	419,470	1222.9	248.2	39.8 [36.2,43.3]
Cucumbers	Yes	31	49,946	1611.2	666.1	35.3 [23.9,46.7]
	No	320	381,176	1191.2	259.1	39.8 [36.1,43.5]
Melons	Yes	42	67,178	1599.5	513.4	45.5 [36.0,55.0]
	No	309	363,944	1177.8	267.5	38.6 [34.8,42.3]
Other	Yes	93	74,884	805.2	333.5	41.4 [34.4,48.4]
	No	258	356,238	1380.8	308.1	38.7 [34.7,42.7]
Pears	Yes	25	45,558	1822.3	977.9	42.5 [28.5,56.5]
	No	326	385,564	1182.7	251.2	39.2 [35.6,42.8]

Plums	Yes	14	47,052	3360.9	1374.8	40.5 [22.1,59.0]
	No	337	384,070	1139.7	246.1	39.4 [35.8,42.9]
Squash	Yes	40	62,152	1553.8	544.5	39.7 [29.0,50.4]
	No	311	368,970	1186.4	265.6	39.4 [35.7,43.1]
Sunflowers	Yes	13	28,275	2175.0	1343.1	49.0 [26.6,71.3]
	No	338	402,847	1191.9	247.5	39.0 [35.5,42.6]
Vegetable Seed Production	Yes	25	63,787	2551.5	843.5	39.7 [24.3,55.1]
	No	326	367,335	1126.8	253.3	39.4 [35.8,43.0]

Comments About This Data

This report compares beekeepers that pollinated individual crops to beekeepers that pollinated other crops. This means that each bar representation for "no" represents beekeepers that pollinated crops other than the the crop listed.

Relevant Links, References, and Citations

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