

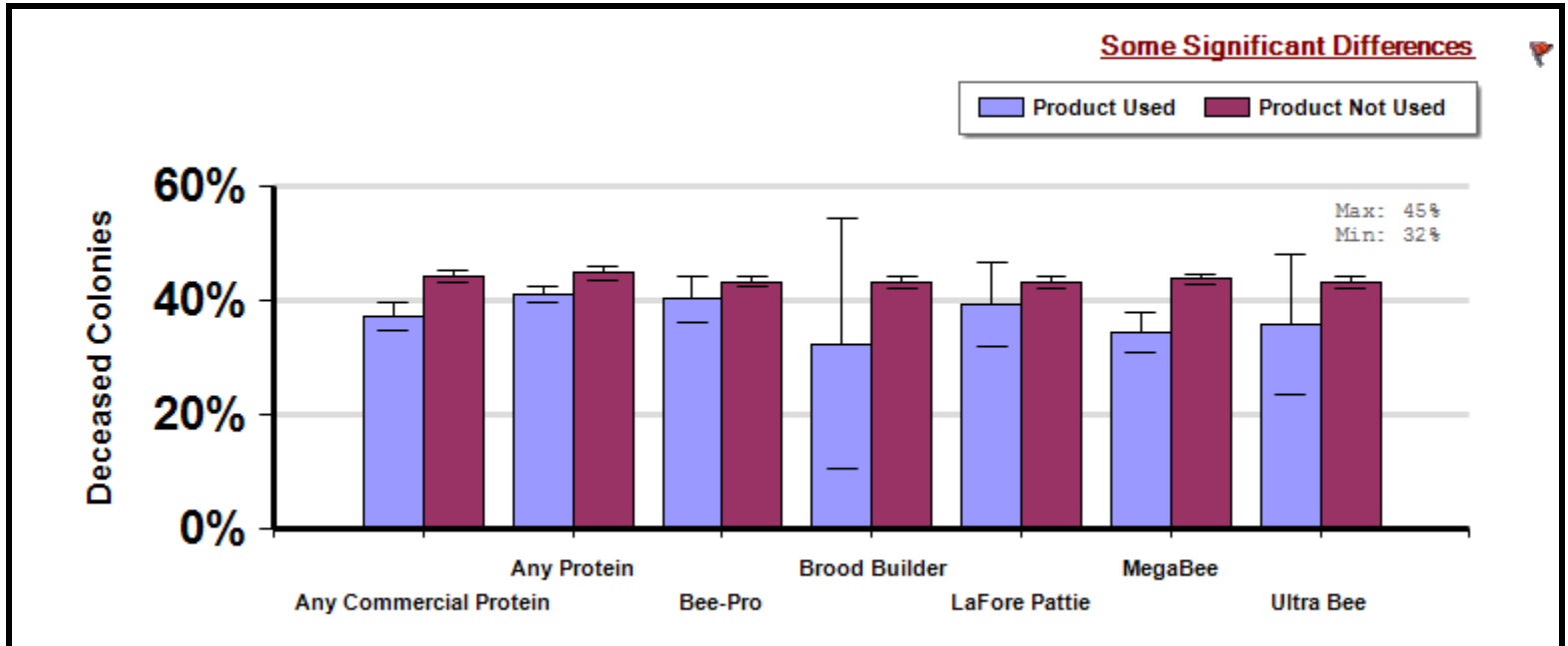


Protein Feed Use By Product

Winter

Report ID: 161-2014

A comparison of winter mortality among those who indicated they did not feed their colonies a specific type of protein feed (but may or may not have fed another type of protein feed) with those who indicated they fed a specific type of protein feed to a majority of their colonies, at least once between April and March. Protein feed included: Self-made protein feed containing pollen, Self-made protein feed without real pollen, Bee Pro, MegaBee, Global Patties, and other Commercial protein feeds.



Interpretation

Beekeepers who fed colonies with commercial protein reported 7 less overwintering colony deaths per 100 managed colonies than those who did not report feeding colonies with commercial protein. In other words, beekeepers who fed colonies with commercial protein lost 15.9% less colonies than those that did not feed with commercial protein. Also, beekeepers who fed colonies with any protein reported 3.6 less overwintering colony deaths per 100 managed colonies than those who did not feed with any protein. In other words, beekeepers who fed colonies any protein lost 8% less colonies than those who did not feed colonies with any protein. Also, beekeepers who fed colonies with MegaBee reported 9.3 less overwintering colony deaths per 100 managed colonies than those who did not report feeding colonies with MegaBee. In other words, beekeepers who fed colonies with MegaBee lost 21.3% less colonies than those that did not feed with MegaBee. For all other protein feed products (Bee-Pro, Brood Builder, LaFore Patties, and Ultra Bee), beekeepers using those specified products did not suffer fewer or greater losses when compared to beekeepers who did not report using that product.

Survey Question

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

- Self-made protein feed containing pollen
- Self-made protein feed without real pollen
- Bee Pro
- MegaBee
- Global Patties
- Other commercial protein feeds

		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
Any Commercial Protein	Product Used	715	206,537	288.9	54.0	37.1 [34.6, 39.6]
	Product Not Used	4,796	311,882	65.0	16.8	44.1 [43.0, 45.2]
Any Protein	Product Used	2,459	398,719	162.1	33.9	41.2 [39.8, 42.7]
	Product Not Used	3,052	119,700	39.2	10.7	44.8 [43.4, 46.2]
Bee-Pro	Product Used	294	104,542	355.6	89.4	40.2 [36.3, 44.2]
	Product Not Used	5,217	413,877	79.3	16.4	43.4 [42.4, 44.4]
Brood Builder	Product Used	8	112	14.0	6.1	32.5 [10.6, 54.3]
	Product Not Used	5,503	518,307	94.2	16.3	43.2 [42.2, 44.2]
LaFore Pattie	Product Used	88	79,070	898.5	294.0	39.4 [32.1, 46.8]
	Product Not Used	5,423	439,349	81.0	15.8	43.3 [42.3, 44.3]
MegaBee	Product Used	312	41,763	133.9	47.2	34.4 [30.8, 38.0]
	Product Not Used	5,199	476,656	91.7	17.0	43.7 [42.7, 44.8]
Ultra Bee	Product Used	24	279	11.6	4.7	35.8 [23.6, 48.1]
	Product Not Used	5,487	518,140	94.4	16.3	43.2 [42.2, 44.2]

Comments About This Data

Relevant Links, References, and Citations



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