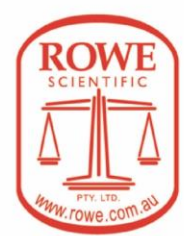




**Prize Winner**

**Multimedia**  
**Year 7-8**  
**Lucy Rice**

**Walford Anglican School for  
Girls**



## Lucy Rice

Walford Anglican School for Girls (Grade 8)

Oliphant Science Awards 2020

Category: Multi Media

Word Count (excluding heading and bibliography): 447/500 words

15 June 2020

# Save the Bees: Addressing Declining Bee Populations

## Presentation Overview

The topic I have selected is "Save the Bees: Addressing Declining Bee Populations". A link to my presentation can be found here: <https://bit.ly/3d4taaT>

Bee populations worldwide are at risk, and over the last 5 years a significant decrease in both native and honey bee numbers has been reported. My presentation outlines the findings from my research: Exploring the importance of bees on biodiversity, food security and the economy; outline the current state of the world's bee population and explain the complex and interconnected reasons why they are at risk; present the dangers of bee decline and why this is an urgent issue that should be addressed; and provide suggestions for what individuals can personally do to reverse the trends and encourage bees to thrive.

## Methodology

To create the presentation, I used free online design software called "Canva". This product enabled me to format my report in a way that was both informative and appealing to my audience.

In completing the assignment, I had assistance from my mother (Megan Berghuis) who was helpful in thinking through the framework for the presentation, in considering the design elements, determining the key aspects of the presentation and assistance with finding reliable sources of information. Mum also proof read my work prior to finalisation.

The main problems I had in creating the presentation were:

- Challenge 1: Becoming familiar with new software and maximising my design with the tools available. To overcome this I took time to experiment with the tool, sought out the help of my mum who had used Canva before and also watched a number of tutorials on YouTube to maximise my design skills and get the most out of the software.
- Challenge 2: Verifying the sources of information, in particular quantitative data sources, noting that different sources often reached different conclusions and it is difficult to determine exact numbers of a focus subject that exists in both a controlled and uncontrolled environment. To overcome this I looked for common reports on the same topic, referenced scientific sources written by expert entomologists and apiarists.
- Challenge 3: Sourcing photographs and images that were not subject to copy write and were free to include in the presentation. To resolve this I found a website - [www.Pexels.com](http://www.Pexels.com) - that provides free to use photographs and images, as well as used clip art provided free through Canva.

- Challenge 4: Time management as this was an extensive research assignment undertaken in amongst other school and extra curricular commitments. This was more difficult to overcome and meant that I needed to organise and schedule my time in order to achieve everything. I gave up relaxation time on weekends and after school.

## Bibliography

VAustralia's Native Bees Are In Trouble 2020, viewed 18 June 2020, <<https://10daily.com.au/news/a190517pzbae/australias-bees-arent-dying-but-theyre-in-trouble-20190520>>.

The Value Of Pollinators To The Ecosystem And Our Economy 2019, viewed 18 June 2020, <<https://www.forbes.com/sites/bayer/2019/10/14/the-value-of-pollinators-to-the-ecosystem-and-our-economy/#6f7612a37a1d>>

Getting the buzz on the value of bees 2020, viewed 18 June 2020, <<https://www.science.org.au/curious/everything-else/bees>>.

Chalkbrood fungal disease on the rise in Australian beehives — and poor nutrition could be to blame 2019, viewed 18 June 2020, <<https://www.abc.net.au/news/2019-03-28/chalkbrood-fungal-disease-on-the-rise-in-australian-beehives/10945502>>.

Are honey bees endangered? Here's the truth of the matter 2020, viewed 18 June 2020, <<https://www.agdaily.com/crops/are-honey-bees-endangered/>>.

Bee Friendly A planting guide for European honeybees and Australian native pollinators 2012, viewed 18 June 2020, <<https://www.agrifutures.com.au/wp-content/uploads/publications/12-014.pdf>>.

<https://www.sierraclub.org/sierra/new-study-shows-roundup-kills-bees#:~:text=The%20most%20widely%20sprayed%20herbicide,as%20being%20innocuous%20to%20wildlife.>

h10 WAYS YOU CAN HELP SAVE THE BEES 2016, viewed 18 June 2020, <<http://www.newyorkbeesanctuary.org/blog/2016/3/3/10-ways-you-can-help-save-the-bees>>.

How you can help SAVE THE BEES n.d., viewed 18 June 2020, <[https://www.beethecure.com.au/wp-content/uploads/2019/05/STBA\\_Infosheet\\_SaveBees-VR2\\_12-5-19.pdf](https://www.beethecure.com.au/wp-content/uploads/2019/05/STBA_Infosheet_SaveBees-VR2_12-5-19.pdf)>.

11 reasons bees matter 2020, viewed 18 June 2020, <<https://www.weforum.org/agenda/2016/02/to-bee-or-not-to-bee-11-reasons-pollinators-matter/#:~:text=Almost%2090%25%20of%20wild%20plant,pollinators%20at%20%24235%2D577%20billion.>>>.

Aussie Bee 2020, viewed 18 June 2020, <<https://www.aussiebee.com.au/beesinyourarea.html>>.

ependent 2012, viewed 18 June 2020, <<https://beependent.wordpress.com>>.

Premier Tech 2020, viewed 18 June 2020, <<http://www.pthomeandgarden.com/5-ways-bees-are-important-to-the-environment/>>.

City of Unley Report "Bee Hives and Bee Hotels", 22 June 2020 Kat Ryan

60 Minutes 2019, Could the extinction of bees be the end for humanity?, 13 September, viewed 18 June 2020, <<https://www.youtube.com/watch?v=rCzHgSIjDQA>>.

Ted Global 2013, Why bees are disappearing, June, viewed 18 June 2020, <[https://www.ted.com/talks/marla\\_spivak\\_why\\_bees\\_are\\_disappearing?language=en](https://www.ted.com/talks/marla_spivak_why_bees_are_disappearing?language=en)>.

TED Talk - Dennis Vanelgelsdorp - A Plea for Bees - July 2008

[https://www.ted.com/talks/dennis\\_vanengelsdorp\\_a\\_plea\\_for\\_bees?referrer=playlist-why\\_we\\_need\\_bees](https://www.ted.com/talks/dennis_vanengelsdorp_a_plea_for_bees?referrer=playlist-why_we_need_bees)

TEDxBoston - Noah Wilson Rich - Every City Needs Bees - June 2012

[https://www.ted.com/talks/noah\\_wilson\\_rich\\_every\\_city\\_needs\\_healthy\\_honey\\_bees?referrer=playlist-why\\_we\\_need\\_bees](https://www.ted.com/talks/noah_wilson_rich_every_city_needs_healthy_honey_bees?referrer=playlist-why_we_need_bees)

Medical Benefits of Honeybee Products 2017, viewed 18 June 2020, <<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5440786/>>.

Beekeeping (honey bees) 2017, viewed 18 June 2020, <<https://www.agrifutures.com.au/farm-diversity/beekeeping-honey-bees/#:~:text=Production%20status&text=Bees%20also%20contribute%20to%20the,engaged%20in%20paid%20pollination%20service>>.