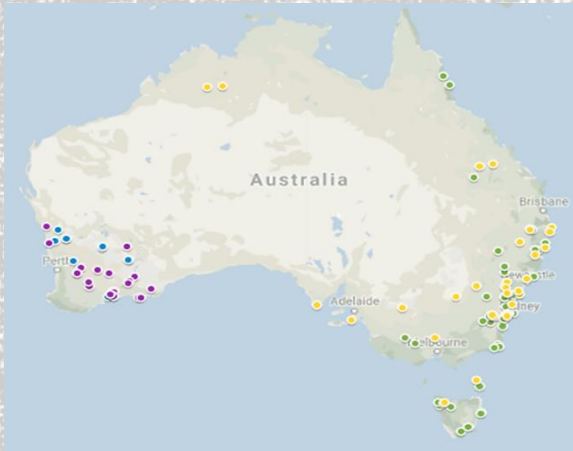




Australian Government  
Department of Industry, Science,  
Energy and Resources

**Business**  
Cooperative Research  
Centres Program



### LEPTOSPERMUM EVOLUTIONARY RELATIONSHIPS

Land that supported *Leptospermum* was mostly cleared for agriculture. Remnants exist indicating wide diversity from northern Queensland down to Tasmania and across to Western Australia. This is a rich resource with wide adaptability to site and climatic conditions.

CRCHBP is, is investigating genetic relationships between bioactive and non-bioactive species, and the variation within species to optimize breeding output.

DEPARTMENT OF BIODIVERSITY,  
CONSERVATION AND ATTRACTIONS -  
BYRNE

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# Australian Manuka honey

Australian production of high-grade Manuka honey from the healthiest bees in the world, is a major focus for the CRC for Honey Bee Products.

Of the 80 *Leptospermum* species in Australia, within the 55 tested, 35 produce the bioactive ingredient in their nectar that honey bees harvest to make high MGO Manuka honey.

The CRCHBP has projects in Queensland, Tasmania, South Australia and Western Australia to increase production and optimize the healing benefits of Australian Manuka honey.

## MANUKA HONEY PROJECTS



**UNIVERSITY OF THE SUNSHINE  
COAST- BROOKS**

Investigating nectar chemistry and  
Manuka honey characterization



**UNIVERSITY OF ADELAIDE -  
DELAPORTE**

Propagation optimisation and  
*Leptospermum* breeding  
collection for South Australia



**UNIVERSITY OF ADELAIDE -  
HOGENDOORN**

Bee health when feeding on  
bioactive *Leptospermum* nectar  
and pollen and planting with  
almonds



**UNIVERSITY OF WESTERN  
AUSTRALIA - LEOPOLD**

Matching *Leptospermum* species  
to soils for high nectar flow and  
carbon sequestration



*L. liversidgei* – Brooks



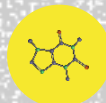
**UNIVERSITY OF TASMANIA -  
VAILLANCOURT**

Genetic control of high bioactive  
Tasmanian *Leptospermum* for  
honey farms



**UWA AND TELETHON KIDS INSTITUTE –  
REGLI-VON UNGERN & LOCHER**

Investigating pain relief of  
Manuka and Marri honey after a  
tonsillectomy



**UWA AND USC – FINNEGAN & BROOKS**

Understanding how the bioactive  
ingredient is formed in  
*Leptospermum* nectar

*“This is the first time  
a plant has been  
domesticated and  
planted just for  
honey bees”*

Dr Liz Barbour  
CEO

