

Questionnaire for the follow-up study on the Australian stingless bee industry, one decade on (2010)

This survey was produced by Halcroft et al. 2013. The resulting research article will be available from the Journal of Apicultural Research, 2013, Issue 52 (2).

1. Did you complete the survey conducted by Anne Dollin, of Aussie Bees, and Tim Heard about 10 years ago?	Yes No Don't know
2. How many nests of each species do you have?	<i>Trigona carbonaria</i> <i>Trigona hockingsi</i> <i>Trigona clypearis</i> Unknown species of <i>Trigona</i> <i>Austroplebeia australis</i> <i>Austroplebeia symei</i> Unknown species of <i>Austroplebeia</i> Other (please specify) Species not known (at the time of the survey, <i>Tetragonula</i> was known as <i>Trigona</i>)
3. Where is the nest(s) located? Please enter the number of hives. If there are multiple locations please enter the information in the additional box	City / Suburb State Postcode (Multiple hive information please use space below)
4. In what sort of area is the nest(s) kept?	Suburban Near bushland On a farm
5. How many nests of stingless social native bees do you have? Please enter the number of nests in the spaces below	In their original location?(e.g. in a tree, fence post, house cavity or wall) Brought in from elsewhere but still in the original cavity? (e.g. in a cut log) In an artificial hive box? Other? (please specify)
6. How did you obtain your nests? (Please indicate the number of nests for each option)	Bought from another person Gift from another person Found in their natural location Split from other nest Developed from a swarm

	<p>Budded off from their original nest</p> <p>Other (please specify)</p>
7. How long have you been keeping stingless bees?	<p>Less than 1 year</p> <p>1 to 3 years</p> <p>3 to 5 years</p> <p>5 to 10 years</p> <p>10 to 20 years</p> <p>More than 20 years (please specify)</p>
8. Have you tried nest transfers and nest splitting? (If so please write the number of nests in the spaces below)	<p>Number of nests transferred into boxes successfully</p> <p>Number of nests transferred unsuccessfully</p> <p>Number of nests split successfully</p> <p>Number of nests split unsuccessfully</p>
9. How many nests do you expect to have in the future?(Please enter the number of nests for each option)	<p>Number of nests in 5 years</p> <p>Number of nests in 10 years</p>
10. What do you use your nests for at present? (Please enter the number of hives in each category and add detail as required)	<p>Just for the enjoyment of watching bees</p> <p>To help conserve the bees</p> <p>Pollination of bushland</p> <p>Pollination of a crop</p> <p>Honey production (Also, see next section)</p> <p>Production of other hive products (e.g. resin, wax or other)</p> <p>Hive sales (Please estimate number per year)</p> <p>Education (Please specify)</p> <p>Research</p> <p>Other (Please specify)</p>
11. If you make and / or design your own hive boxes, could you provide a description of the box design you like best? Please state the	<p>Approximate dimensions</p> <p>Wall thickness</p> <p>Do you add a foam cover or similar?</p> <p>Please describe using the space below</p> <p>Do you have a special roof design?</p> <p>Please describe using the space below</p>
12. If you produce honey from your stingless bees	<p>Approximately how much per year?</p> <p>Which species (if known) is the best producer of honey in your collection of hives?</p> <p>Do you sell the product?</p>

	If so, through which kinds of channels e.g. Health food outlets, local fairs, craft shows, at educational workshops, other (please specify using the space below)
13. If you use your Australian native stingless bees for crop pollination please answer the following questions	How long have you been a pollination service provider?
14. Do you	Use them in your own crops? Provide pollination services for other growers?
15. What crops have you attempted to pollinate with your stingless bees?	Successfully Unsuccessfully
16. Of the total number of hives you own, how many do you use for crop pollination?	
17. Do you use different species for different crops? If so please explain, using the space below	
18. What stocking rate do you use (hives per hectare)? Please use the space below	
19. Have you &/or the grower noticed a marked difference in fruit/nut set since using stingless bees? Please estimate the increase if applicable, using the space below.	
20. Are your stingless bee hives used as pollinators instead of or in conjunction with managed honey bees (not including feral honey bees)?	Instead of honey bees As well as honey bees
21. Do you charge a service fee?	Yes No Sometimes
22. If you charge a service fee, how much do you charge per hive? (Remember this survey is totally anonymous)	
23. If you don't charge a service fee, please explain why, using the space below	
24. Do you expect to continue being a pollination service provider in the future?	Yes No
25. Are you able to keep up with the demand from growers with the number	Yes No

of hives you currently have?	Other- please explain
26. What problems have you faced in using stingless bees for crop pollination? e.g.	Swarming (reproductive) Fighting swarms Insecticide poisoning Theft Other Other (please explain)
27. In what ways can stingless bee pollination service providers be supported? e.g. By research institutes, government bodies, growers or other. Please use the page below	
28. Please feel free to add any further comments that you think may be of value, using the page below	