



# *The industrial scale production of bioactive honey.*

*A licensing proposal from the M.A.S~S partnership for consideration by the NSW Aboriginal Land Council. (Northern Region.)*



## *BACKGROUND and HISTORY*



*Diabetes*

*Link:*

*Chronic ulceration  
and  
Wound care*

*Link:*

*L*











*A native bee hive will produce approximately 10cc of bioactive honey per season. A european hive will produce up to 30 litres per season. It would seem appropriate to allow european bees to forage over the native plant species to gain a large quantity of bioactive honey. However, this is not the case. The bioactive plant species do not provide enough nutrition for the european bees and hence they choose not to forage over them. The M.A.S~S. patent is an innovation that allows the european bees to forage over the bioactive species successfully. The result is industrial scale production of bioactive honey.*

*The global bioactive honey market was valued at US \$ 660 million in 2017 and is expected to reach \$ 2.1 billion by 2025.*

*High grade bioactive honey sells for more than US \$ 400 per kilogram.*



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	Application number	Title	Applicant(s)	Inventor(s)	Filing date	Application status	
1	<a href="#">2018317497</a>	Bioactive honey production environment and method	Munday, David	Munday, David	2018-08-14	GRANTED	<input type="checkbox"/>

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*There are many variations on the patent innovation.*

### Gridshells: Free-form and Free-span Buildings

A gridshell's organic shape and column-free space provide unlimited design freedom to architects and structural engineers. These innovative space-frame structures derive their strength from having double curvature in their overall shape. In that, they are similar to geodesic domes. But while geodesic domes are limited to spherical surfaces, gridshells may take on different curvature in each of two orthogonal directions.





*Keyline bioactive / nutrient*







*Natural amphitheatres*





*Internal / external variants*





New South Wales  
Aboriginal Land Council



## RECONCILIATION

*The M.A.S~S. Partnership acknowledges and pays respect to the past, present and future Traditional Custodians and Elders of this nation and the continuation of cultural, spiritual and educational practices of Aboriginal and Torres Strait Islander peoples.*





*Land.*





*Organisation skills.*



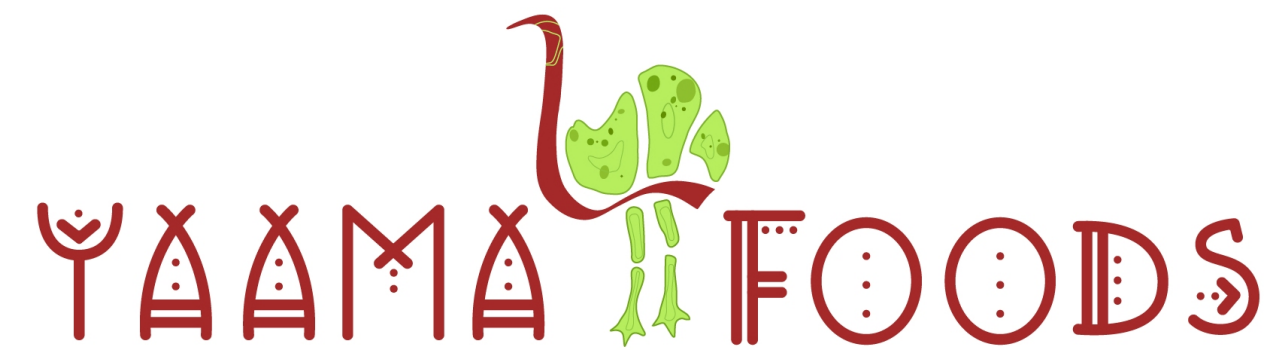
**Cr Charles Lynch**

**Deputy Chairperson**

Northern region.



*Marketing. Table honey.*



*The global honey market is estimated to grow at 6.9% from 2021 to 2028. The market is set to reach USD \$ 14.6 Billion by 2028. (Market Research Future-Research and Media Pty Ltd)*



## *THREE MARKETS :*

- 1. BIOACTIVE HONEY      ANTIBIOTICS SUBSTITUTE .  
US \$ 21 BILLION 2025*
- 2. TABLE HONEY      SUGAR SUBSTITUTE FOR DIABETICS  
\$14.6 BILLION BY 2028*
- 3. CARBON CREDITS      CARBON MARKET  
ALMOST 30% CARBON BY WEIGHT.  
CARBON SEQUESTRATION  
- DEVELOPING MARKET*