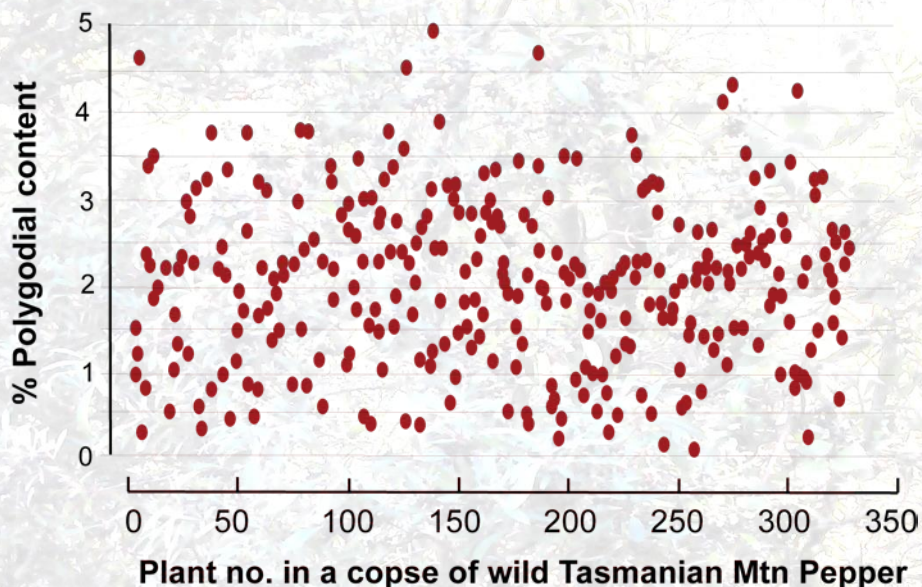




INFORMATION SHEET – Variation in 'heat' of bush-sourced Mtn Pepper

The level of 'heat' (polygodial) in wild sourced Tasmanian Mountain Pepper (*Tasmannia lanceolata*) varies dramatically – from next to nothing in some plants to high in others, and everything in-between. The figure below shows the polygodial levels in leaves from individual bushes within the same population at Winneleah, Tasmania (from Menary, Dragar, Thomas and Read, 2003. Mountain Pepper Extract *Tasmannia lanceolata*: Quality stabilisation and registration. [RIRDC Publication No 02/148](#)).



Major differences between the polygodial levels between populations from different geographic locations has also been shown (Read, C. & Menary, R. 2001. Leaf Extract and Polygodial Yield in *Tasmannia lanceolata* (Poir.) A.C. Smith. *Journal of Essential Oil Research* **13**, 348-350).

There is little to no work undertaken on the polygodial levels in the pepperberries or the dried peppercorns, but it is a fair assumption that the levels in the berry are highly correlated with levels in the leaf. Bronzewing Farm[®] Tasmanian DEVIL Mountain Peppers[®] have been found to contain 25 g/kg of polygodial (Dr. Kim-Yen Phan-Thien, University of Sydney, 2014).