

Summary of Discovery Indigenous Applications for Funding to Commence in 2006

Tasmania

University of Tasmania

DI0667638 Ms CE Jager; Prof JB Reid

Approved Project Title **Brassinosteroids and Water Stresses**

2006 : \$83,040

2007 : \$83,040

Primary RFCD 2704 BOTANY

RC- Ms CE Jager

Administering Institution University of Tasmania

Project Summary

Water use has become a major factor affecting agricultural development in Australia. Therefore, it is important to develop new techniques to sustain crop production in today's climate. Developing a clearer understanding of brassinosteroids, their underlying role in water stresses and their interaction with known stress-related hormones, such as abscisic acid and ethylene, will eventually enable more effective and efficient manipulation of plant growth in water stressed areas. This project has the added advantage of working with a legume, a group of plants that make a substantial contribution to the Australian economy. Our increased knowledge of legume development will help underpin future growth of this sector.