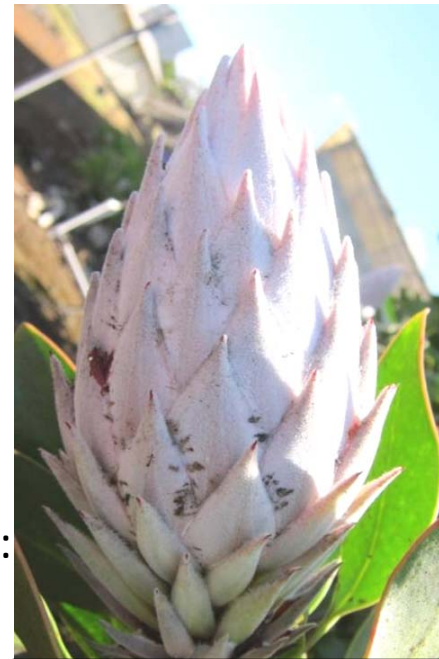


A mealybug, *Delottococcus confusus* infesting King protea, *Protea cynaroides*, Kula, Maui, HI.



- *First discovered in CA in Nov. 2006 on *Leucadendron argenteum* tree and soon after in Hawaii (2009).
- *Native to southern and eastern Africa.
- *Infested flowers are unmarketable due to sooty mold and feeding damage to bracts.
- *Mealybug destroyer, *Cryptolaemus* observed under bracts with mealybug infestations.
- *Control strategies: Control ants & systemic insecticides:



Safari, Kontos, TriStar, Discus as a drench, bark, or foliar application (efficacy trials not yet conducted).

sooty mold and ants

Egg sac

Arnold Hara, UH-CTAHR
Janis Garcia, HDOA
October 2011



feeding damage

09/01/11