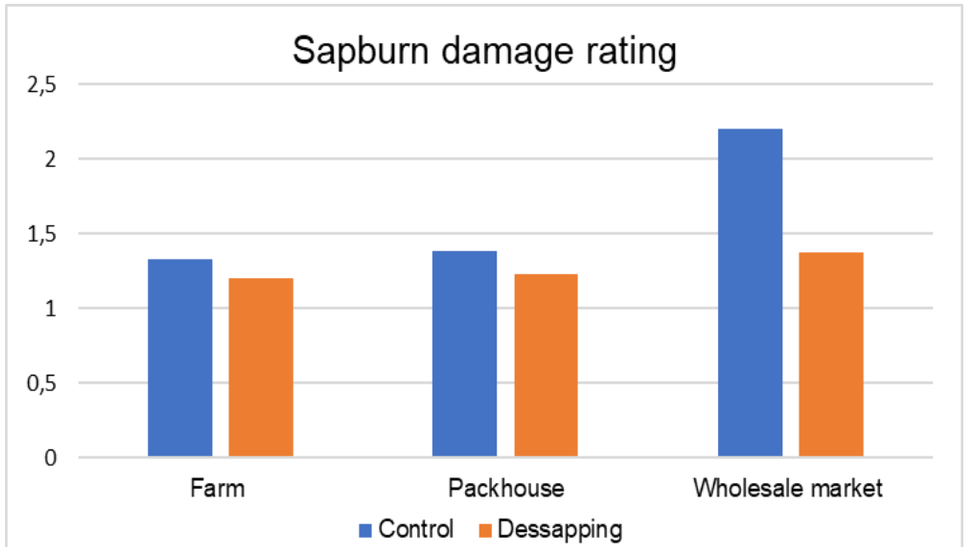
# Demonstration 4: Sap Management

**Aim**

- Evaluate practical application of on-farm sap burn treatment on mango quality
- Examine the benefits of a mechanised trolley to aid the on-farm treatment process

**Method**

- 4 farm sites
- 2 treatments
  - Control (no de-stemming & de-sapping)
  - De-stemming & de-sapping
- After treatment, fruits were dried & packed
- Treated & untreated fruit was evaluated at critical points in the chain farm: packhouse: wholesaler




** according to the following scale (Hofman et al., 2010a): 0 = nil; 1 = < 3% (1 cm²) of skin surface affected; 2 = ~ 3% (1 – 3 cm²); 3 = ~ 10% (3 – 12 cm²); 4 = 10% – 25% (12 - 25 cm²); and 5 = > 25% of skin surface affected.*

**What we learnt**

- Sap burn treatments significantly reduce levels of sap damage on-farm & during transport to packhouse
- System is suitable to include in current farm practices

**What we recommend**

- Upscaling of sap management practice for integration into commercial chains – specifically high value domestic retail & export markets
- Full commercial testing of trolly system is needed

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