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# Topworking practices.

A. De Villiers - Allesbeste

2015  
Maluma-dag

# 3 methods:

- Sucker(coppice shoot) grafting  
*(1980 San Diego)*
- Terminal veneer grafting *(P Young-2010)*
- Bark grafting



# Sucker(coppice shoot)grafting.



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# Terminal veneer graft.



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# Bark graft.

- Cut down trees to 1.2 m
- Paint white with PVA (sun protection)
- Chip prunings in orchard
- Fresh cut on stumps before grafting
- Spray fungicide at fresh cut area
- Graft scion (Maluma)

# HASS / BOUNTY



Block size: 6.6 ha  
Plant date: October 2008  
408 trees/ha



2012/13 = 3061 kg/ha  
2013/14 = 4030 kg/ha  
2014/15 = 2394 kg/ha

Cut down September 2014



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# White PVA

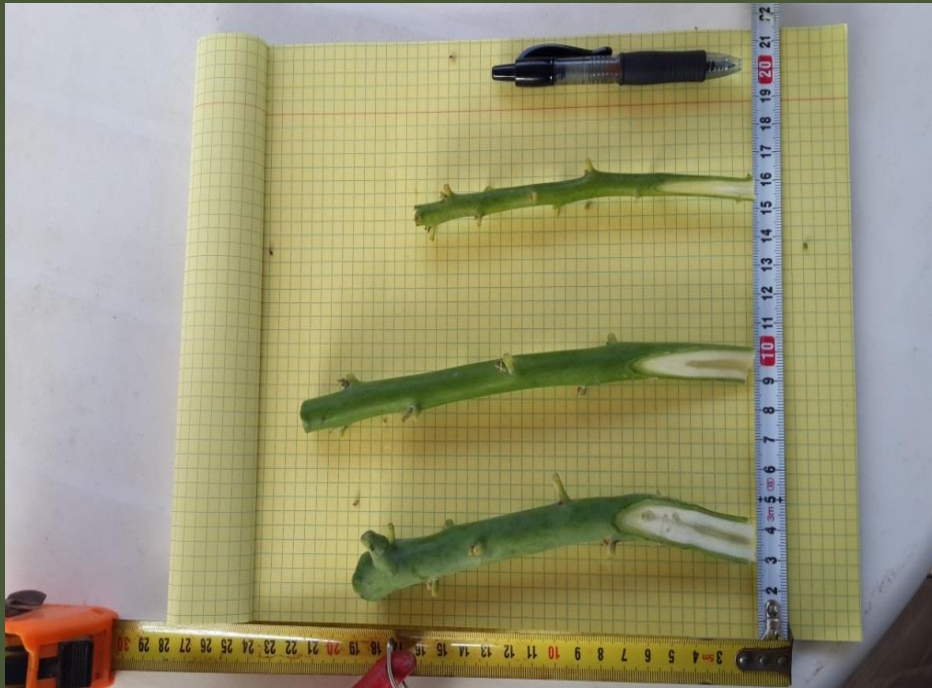


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# Budwood – 10 mm thick



Parafilm

# Side cuts in bark - 3



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# Cut budwood for grafting



4 – 5 cm



0.5 – 1 cm

# Insert between Phloem & Xylem



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# Wrap with stretching nylon tape



# Cover with metalized film



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# Oren & Stranger at work



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# Bud development ( $\pm$ 4 - 6 weeks)



# Bags open



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# Stakes for support



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# End result – 3 years



# Baie dankie



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