

Katrien van Zyl



Heliophila coronopifolia
Sporrie



Dorotheanthus rourkei
Sandvygie



Carpobrotus quadrifidus
Elandsvy



Dimorphotheca sinuata
Namaqualand daisy

About me



- ▶ Grew up on a farm close to Lamberts bay
- ▶ Introduction to plants in my moms garden.
- ▶ Enjoy sports and the outdoors
- ▶ Working in my garden after work
- ▶ Enthusiastic person when it comes to plants
- ▶ Takes lots of pride in my work
- ▶ Its all about the experience and the learning.

Horticulture is a big field with lots of opportunities. I decided to work in different fields of horticulture to learn as much as possible.



Work experience

- ▶ 6 Months Practical in my second year at Cape Garden Centre.



- ▶ 1 Year at Fairholme Plants, Grabouw after my studies.



- ▶ 7 Months at Arnelia Farms, Hopefield

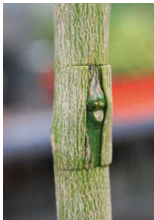


- ▶ 3 years as a Nursery and Pack shed Manager at Flora United Protea Farms, Clanwilliam

- ▶ 2 years as a Citrus Nursery Manager in Citrusdal



- ▶ Propagation Manager at Arnelia



Field of interest – also my passion

PROPAGATION

**A typical day in the life
of propagation.**

Mother Stock - where it starts



Problems – the frustration



Greenhouse - Where the Magic! happens



Greenhouse



Propagating cuttings in the greenhouse



Reverse Osmosis (RO)

Cuttings

- ▶ Handling each variety as an individual
- ▶ Different cuttings require different rooting hormone, growing medium type of cuttings.
- ▶ Quality of MS has big effect on rooting of cuttings.
- ▶ Trails - when we are not satisfied with rooting percentage. My favourite, playing around with medium, type of cutting, rooting hormone etc.
- ▶ Getting results



Greenhouse problems



Cuttings to soft and young



Medium to wet



Cuttings to old and hard



3+ months in greenhouse



Medium to dry



Good cutting material



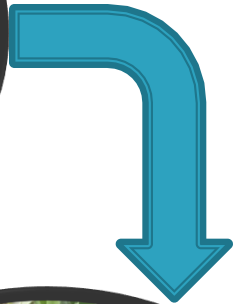
Perfect cutting material



To high IBA concentration

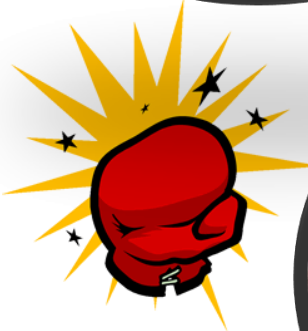


Old cutting VS young cutting



Grafting

Beating nematodes
and root diseases
one graft at a time.



Commercial

Heat beds – faster rooting and exiting



Solar panels heating water during day



Heat pump heating water during the night



Circulation Tank stores hot water



Table without a heat bed



Custom made capillary heat mat



Insulation boards



Heat bed

Hardening off - getting ready for



Exit of cuttings

Rooted cuttings potted for retail.

Cut flower growers.



Why I want to go to AUS



- ▶ Hungry for knowledge
- ▶ Always ask a lot of questions.
- ▶ Never satisfied with a simple answer, give me the long answer explaining to me why.
- ▶ Making mistakes is a way to learn how to fix it in the future. Learning school.
- ▶ There's always something you can learn from someone else, gaining new ways of Horticulture to bring back Home and share.

THANK YOU