

Overview of



Jonathan Roberts
General manager

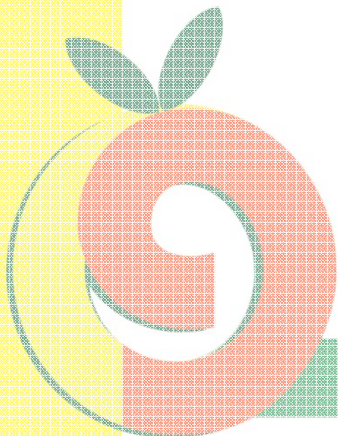


CGA CITRUS SUMMIT
Research

Mandate and Strategy

Goal: Provide South African Citrus Growers with access to propriety and open cultivars and root stocks on reasonable terms and conditions as an alternative to private commercial companies.

These objectives are to be achieved through a not-for-profit, self-sustaining company owned by the CGA, named the CGA Cultivar Company (CGA CC).



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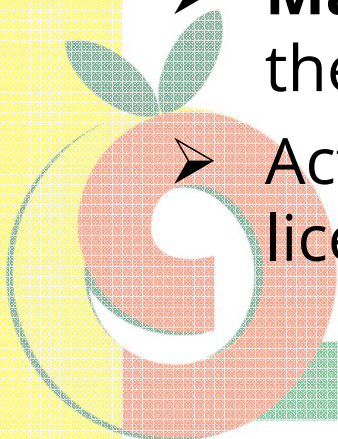
Mandate and Strategy

The CGACC that carries out the following:

- CGACC has a **unique not-for-profit mandate**
- CGACC is able to **negotiate reasonable terms** for growers while ensuring a competitive return to the cultivar owner
- **Introduces citrus cultivars** arising from field mutations or citrus breeding programmes
- **Expedite movement of cultivars** through post-entry processes
- **Manages the commercialisation** and protection of these cultivars in South Africa
- Act as **spokesperson** on new cultivar ownership and licensing matters



Research



Key Performance Areas

Needs
Analysis

On-going

- ✓ Identify cultivars that meet the needs of market, consumers and global trends
- ✓ Find the cultivars with potential to meet needs
- ✓ Build relationships with breeder – secure rights

Securing &
Introducing

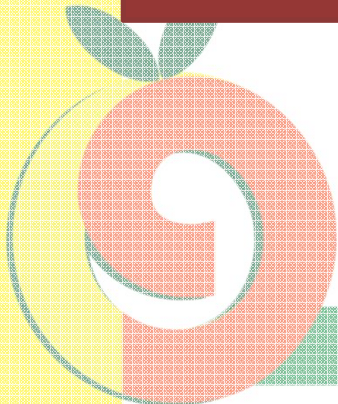
2-3 years

- ✓ Expediting the cultivar's passage through post-entry quarantine and clean-up by ARC and CIS
- ✓ STG, indexing and interim release by ARC or CIS
- ✓ Final release to CRI Foundation Block

Evaluating
Potential

5-10 years

- ✓ Expediting the cultivar's passage through:
 - ✓ Provisional release: evaluation only
 - ✓ Trials: evaluate trueness-to-type and commercial potential, rootstock suitability, yield, fruit size, quality, shipping, in market



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Short and Medium Term Goals

- ❖ Determine support requirements from a zero based structure.
- ❖ Build strategy and 10-year plan.
- ❖ Build partner network.
- ❖ Research needs analysis.
- ❖ Build operational procedures and work instructions.
- ❖ Transfer cultivars belonging to Industry back to industry.

Year 1

- ❖ Negotiate and secure agreements with local owners.
- ❖ Introduce locally procured varieties into pipeline.
- ❖ Visit off-shore owners.
- ❖ Invite off-shore owners to SA.
- ❖ Initiate negotiations, collaboration and exchange agreements.

Year 2

- ❖ Conclude first agreements and import first off-shore cultivars.
- ❖ Start first local cultivar evaluations.
- ❖ First semi commercial evaluations.
- ❖ PBR protection application.
- ❖ Increase admin support.

Year 3



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Achievements to Date



CGACC currently has 80 local and 14 off-shore sourced cultivars on its books. These range from early selection to final release. Powell, McLean SL are already commercially released.

Navels comprise 14 Early, late and Ultra Late Navels. - Reached Final release and now in evaluation. - Some in semi commercial plantings. -PBR Protection has been applied for.

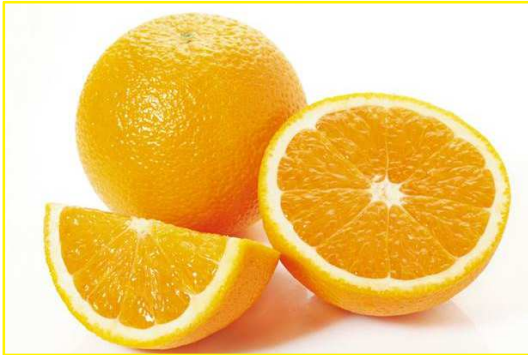


Soft citrus comprise 2 early Satsumas, 3 early Mandarins, 3 early Clems, 4 Midseason Mandarins, 3 late Mandarin hybrids. Some in clean-up, some in final release and evaluation. One reaching commercial release. Some open.



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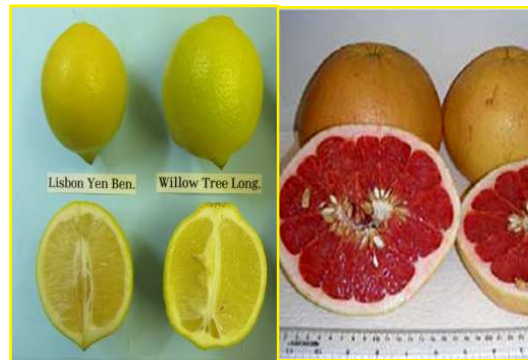
Achievements to Date



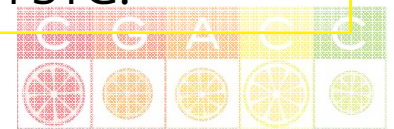
Valencias comprise 11 early to late, 3 near seedless. A commercial variety and 1 exp being transferred to CGACC management. Mclean SL and Turkey are also partly managed by CGACC.

Lemons and grapefruit comprise 1 long-shaped Eureka selection.

Negotiations are in progress on offshore disease tolerant varieties, sweet grapefruit hybrids, with health benefits.



Rootstocks comprise 3 varieties from UCR, showing various degrees of tolerance to soil-borne pathogens and tolerance to calcareous conditions. On-going negotiations for others . 7 pre-CGACC from Argentina are through STG.



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Looking Ahead

- ❖ Complete selection of 44 cultivars in selection phase.
- ❖ 15 local and 14 off-shore cultivars through clean-up to final release.
- ❖ 21 released cultivars come into bearing in evaluation sites.

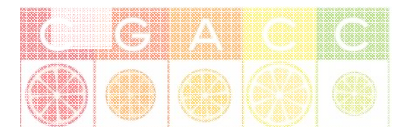
Over next year

- ❖ Commercial potential trials; rootstock suitability, yield, fruit size, quality, postharvest and market trials.
- ❖ 6 good contenders released into limited commercial trials.

Over 3 years

- ❖ Target of 10 commercial varieties, targeting current windows of opportunity.
- ❖ The rest follow on.
- ❖ Continue the cycle: identify secure, clean-up, evaluate, release.

Over 5 years



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Thank you

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