

## CROP DEVELOPMENT

Research Team Manager: Dr Aleysia Kleinert  
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| EXPERTISE   | NAME   | TELEPHONE   | EMAIL ADDRESS  |
|---|--|---|--|
| Crops   |  |   |  |
| <b>Apples</b><br>Breeding a range of cultivars that are easy to grow and easy to sell on the local market and overseas, i.e. that are well adapted to local climatic conditions, reliably cropping, and disease-resistant with excellent appearance and eating quality and good storage ability)<br><br>Pome and Stone Fruit, breeding, evaluation and genetics | Dr Johan Kriel<br><br>Dr Khashief Soeker   | 021 8093412<br><br>021 8093486                    | KrielJ@arc.agric.za<br><br><a href="mailto:SoekerM@arc.agric.za">SoekerM@arc.agric.za</a>  |
| <b>Apricots</b><br>Phase 2 and phase 3 Stone fruit evaluator for the summer rainfall area.<br><br>Apricot breeding, genetics, evaluation, cultivar development<br><br>Pome and Stone Fruit, breeding, evaluation and genetics   | Mr Irwin Meintjes (Roodeplaat)<br><br>Mr Werner Pieterse<br><br>Dr Khashief Soeker | 012 8088000<br><br>021 8093494<br><br>021 8093481 | <a href="mailto:MeintjesI@arc.agric.za">MeintjesI@arc.agric.za</a><br><br>PieterseW@arc.agric.za<br><br><a href="mailto:SoekerM@arc.agric.za">SoekerM@arc.agric.za</a> |
| <b>Diagnostics:</b> DNA fingerprinting (SSR, SNP, AFLP) for Marker assisted selection for pome & stone fruit  | Ms Sieyaam Safodien  | 021 8093486                                       | SafodienS@arc.agric.za   |
| <b>Flowers</b> (Proteas), Fynbos  | Ms Louisa Blomerus   | 021 8093411                                       | <a href="mailto:BlomerusL@arc.agric.za">BlomerusL@arc.agric.za</a>   |
| <b>Grapes</b><br>Evaluation of raisin grapes selections   | Mr Andries Daniels   | 021 8093149                                       | DanielsA@arc.agric.za  |

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| Viticultural evaluation of promising table grape selections and cold storage and market potential thereof.   | Ms Adri Niewenhuys                           | 021 8093107                    | <a href="mailto:NiewenhuysA@arc.agric.za">NiewenhuysA@arc.agric.za</a>                       |
| <b>Grapes/Raisins</b> – Breeding of new table Grape cultivars  | Ms Phyllis Burger                            | 021 8093021                    | BurgerP@arc.agric.za   |
| <b>Honeybush and Rooibos Tea</b><br>Breeding, propagation, cultivation, community development, conservation,   | Dr Cecilia Bester                            | 021 8093450                    | BesterC@arc.agric.za   |
| <b>Nectarines</b><br>Nectarines Breeding, genetics, evaluation, cultivar development, propagation<br><br>Pome and Stone Fruit, breeding, evaluation and genetics   | Mr Werner Pieterse<br><br>Dr Khashief Soeker | 021 8093494<br><br>021 8093486 | PieterseW@arc.agric.za<br><br><a href="mailto:SoekerM@arc.agric.za">SoekerM@arc.agric.za</a> |
| <b>Olives</b> , Germplasm Collection (Genebank)  | Ms Adri Niewenhuys                           | 021 8093107                    | Niewenhuysa@arc.agric.za   |
| <b>Rootstocks (Steenvrugte)</b><br>Breeding and evaluation of new stone fruit rootstocks (peach, plum, apricot and interspecies) for resistances/tolerances to nematodes (ring and root-knot), soil salinity, waterlog, drought and lime induced iron chlorosis for commercial and emerging farmers. | Mr Sobs Booï                                 | 021 8748209                    | <a href="mailto:BooiS@arc.agric.za">BooiS@arc.agric.za</a>                                   |
| <b>Peaches</b><br>Peaches Breeding, genetics, evaluation, cultivar development, propagation<br><br>Pome and Stone Fruit, breeding, evaluation and genetics   | Mr Werner Pieterse<br><br>Dr Khashief Soeker | 021 8093494<br><br>021 8093486 | PieterseW@arc.agric.za<br><br><a href="mailto:SoekerM@arc.agric.za">SoekerM@arc.agric.za</a> |
| <b>Pears</b>   | Mr Taaibos Human                             | 021 8093490                    | HumanT@arc.agric.za  |

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| Pome and Stone Fruit, breeding, evaluation and genetics  | Mr Khashief Soeker                             | 021 8093486                | SoekerM@arc.agric.za                                |
| Tissue Culture of deciduous fruit  | Dr Trevor Koopman<br>(Bien Donne)              | 0218748208                 | KoopmanT@arc.agric.za                               |
| <b>Grapevines</b>  |  |                            |   |
| Crown gall of grapevines   | Ms Wendy<br>Langenhoven                        | 021 809 3488               | LangenhovenW@arc.agric.za                           |
| <b>Diseases</b>  |  |                            |   |
| Apple scab, honeybush diseases, grape diseases, molecular plant pathology  | Dr Trevor Koopman<br>(Bien Donne)              | 0218748208                 | KoopmanT@arc.agric.za                               |
| Bacteria/Phytoplasma<br>On pome, stone fruit& vines<br>Pathogen detection/identification/characterisation bacterial<br>functional genomics | Ms Wendy<br>Langenhoven<br>Dr Yolanda Petersen | 021 8093488<br>021 8093479 | LangenhovenW@arc.agric.za<br>PetersenY@arc.agric.za |
| <b>Rural Development</b>   |  |                            |   |
| Deciduous fruit  | Ms Odette Beukes                               | 021 809 3402               | BeukesO@arc.agric.za                                |
| Farm Planning, crop budgets  | Ms Odette Beukes                               | 021 809 3402               | BeukesO@arc.agric.za                                |
|  |  |                            |   |
| <b>Training</b>  |  |                            |   |
| Deciduous fruit  | Ms Odette Beukes                               | 021 809 3402               | BeukesO@arc.agric.za                                |
| Basic Business skills  | Ms Odette Beukes                               | 021 809 3402               | BeukesO@arc.agric.za                                |
| <b>Alternative fruit crops</b>   |  |                            |   |
| Alternative fruit and nuts   | Ms Odette Beukes                               | 021 809 3402               | BeukesO@arc.agric.za                                |

## PLANT PROTECTION & VITICULTURE

Research Team Manager: Dr Andre Meyer

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| EXPERTISE  | NAME  | TELEPHONE                  | EMAIL ADDRESS                                    |
|--|---|----------------------------|--|
| <b>Vineyard</b>  |   |                            |  |
| Ants, Snout beetles, Bud mite, Fruit Fly                               | Dr Elleunorah Allsopp                       | 021 8093007                | AllsoppE@arc.agric.za                            |
| Bacterial blight,virus and grapevine yellows                           | Dr Yolanda Petersen                         | 021 8093479                | PetersenY@arc.agric.za                           |
| Contract trials for chemical & disease warning modules                 | Mr Abraham Vermeulen                        | 021 8093161                | VermeulenA@arc.agric.za                          |
| Cultivars, Scion & rootstock, pruning, trellis systems, nurseries      | Mr Neels Volschenk                          | 021 8093166                | VolschenkN@arc.agric.za                          |
| Downy Mildew Botrytis  | Mr Abraham Vermeulen                        | 021 8093161                | VermeulenA@arc.agric.za                          |
| Fungicide resistance   | Dr Francois Halleen                         | 021 8093040                | HalleenF@arc.agric.za                            |
| Grapevine canopy management, scion cultivars & grapevine physiology    | Prof Kobus Hunter                           | 021 8093057                | HunterK@arc.agric.za                             |
| Growth arrestment  | Mr Neels Volschenk                          | 021 8093166                | VolschenkN@arc.agric.za                          |
| Integrated production and IPM  | Dr Elleunorah Allsopp                       | 021 8093007                | AllsoppE@arc.agric.za                            |
| Nematodes  | Mr Rinus Knoetze                            | 021 8093461                | KnoetzeR@arc.agric.za                            |
| Other Pests (Red spider mite, leafhoppers, Western flower thrips, etc) | Ms Elleunorah Allsopp                       | 021 8093007                | AllsoppE@arc.agric.za                            |
| Powdery Mildew   | Dr Francois Halleen<br>Mr Abraham Vermeulen | 021 8093040<br>021 8093161 | HalleenF@arc.agric.za<br>VermeulenA@arc.agric.za |
| Table grapes, dried grapes   | Mr Jan Avenant                              | 021 8093012                | AvenantJ@arc.agric.za                            |
| Table grape growth regulators  | Ms Janene Strydom                           | 021 8093159                | StrydomJ@arc.agric.za                            |
| Vine mealybug and natural enemies                                      | Dr Kwaku Achiano                            | 021 8093466                | AchianoK@arc.agric.za                            |
| Woodrot, Phialophora (black goo), Anthracnose, Phytophthora            | Dr Francois Halleen                         | 021 8093040                | HalleenF@arc.agric.za                            |

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| <b>Fruit</b>   |  |                            |  |
| Bacterial and Phytoplasma Diseases   | Dr Yolanda Petersen                      | 021 8093479                | PetersenY@arc.agric.za                         |
| Codling Moth,Oriental Fruit Moth,Pear leaf roller,Grain Chinch Bug, Weevil,Mealybug,Thrips, Ants | Dr Eleanorah Allsopp                     | 021 8093007                | AllsoppE@arc.agric.za                          |
| Fungal disease,Root diseases   | Mr Abraham Vermeulen                     | 021 8093161                | VermeulenA@arc.agric.za                        |
| Nematodes  | Dr Rinus Knoetze                         | 021 8093461                | KnoetzeR@arc.agric.za                          |
| Orchard and Packhouse Sanitation & contract work for Post Harvest treatments                     | Ms Neliswa Matrose                       | 021 8093453                | MatroseN@arc.agric.za                          |
|  |  |                            |  |
| <b>Diagnostic Services</b>   |  |                            |  |
| Bacterial and Phytoplasma Diseases   | Dr Yolanda Petersen                      | 021 8093479                | PetersenY@arc.agric.za                         |
| Bud Fertility  | Mr Abraham Vermeulen<br>Ms Estelle Rhode | 021 8093161<br>021 8093033 | VermeulenA@arc.agric.za<br>RhodeE@arc.agric.za |
| Budmite  | Ms Muriel Knipe                          | 021 8093463                | KnipeM@arc.agric.za                            |
| Grapevine Diseases   | Mr Abraham Vermeulen                     | 021 8093161                | VermeulenA@arc.agric.za                        |
| Mealybug pheromone trap counts   | Mr Levocia Williams                      | 021 8093425                | WilliamsL@arc.agric.za                         |
| Nematodes  | Dr Rinus Knoetze                         | 021 8093461                | KnoetzeR@arc.agric.za                          |
| Pests  | Dr Elleunorah Allsopp                    | 021 8093007                | AllsoppE@arc.agric.za                          |

## POST-HARVEST & AGRO-PROCESSING TECHNOLOGY

Research Team Manager: Dr Oluwafemi Caleb  
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| EXPERTISE   | NAME                                  | TELEPHONE                  | EMAIL ADDRESS  |
|---|---------------------------------------|----------------------------|--|
| Agricultural Proteomics   | Dr Oluwafemi Caleb                    | 021 8093424                | <a href="mailto:CalebO@arc.agric.za">CalebO@arc.agric.za</a> |
| Biochemistry,Nutraceutical development processes  | Ms Dalene de Beer                     | 021 8093449                | DBeer@arc.agric.za   |
| Food Chemistry,phenolic compounds   | Ms Dalene de Beer                     | 021 8093449                | DBeerD@arc.agric.za  |
| Fruit,fruit juice and alcoholic beverage polyphenol profiling(Chemistry)  | Dr Phillip Minnaar                    | 021 8093320                | MinnaarP@arc.agric.za  |
| New chemical Sprays for Wine grapes   | Ms Valmary van Breda                  | 021 8093039                | VBredaV@arc.agric.za   |
| Plant Pathology   | Ms Neliswa Matrose                    | 021 8093453                | MatroseN@arc.agric.za  |
| Postharvest:Fresh fruit and vegetables  | Ms Anel Botes                         | 021 8093132                | BotesA@arc.agric.za  |
| Post-Harvest technology – fresh fruit<br>Rooibos and honeybush tea processing                                   | Ms Ester Lotz<br>Prof Lizette Joubert | 021 8093415<br>021 8093444 | LotzE@arc.agric.za<br>JoubertL@arc.agric.za                  |
| Wine Technology (Wine,Brandy,Port,Cap Classique);<br>Protein chemistry;Enzymology;Waste Water<br>Bioremediation | Dr Francois van Jaarsveld             | 021 8093052                | VJaarsveldF@arc.agric.za                                     |
| Yeast genebank curator and ARC INF_NVB genebank<br>coordinator: Wine&Olive Microbiological research             | Mr Justin Hoff                        | 021 8093168                | HoffJ@arc.agric.za   |
| Wine Analyst and Biochemistry   | Mr Jeremy Boonzaier                   | 021 8093060                | BoonzaierJ@arc.agric.za                                      |
| Winemaking and Cellar Technology  | Mr Craig Paulsen                      | 021 8093091                | PaulsenC@arc.agric.za  |

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|---|---------------------|-------------|-----------------------|
| Wine microbiology and routine microbiology analyses;WineYeasts;Non-Saccharomyces (non-traditional) yeasts;Wine fermentation | Dr Neil Jolly       | 021 8093060 | JollyN@arc.agric.za   |
| Wine chemistry (colour&aroma) research  | Mr Francois October | 021 8093135 | OctoberF@arc.agric.za |

## SOIL AND WATER SCIENCE

Research Team Manager: Dr Reckson Mulidzi  
021 809 3070  
[MulidziR@arc.agric.za](mailto:MulidziR@arc.agric.za)

| EXPERTISE   | NAME                  | TELEPHONE   | EMAIL ADDRESS  |
|---|-----------------------|-------------|--|
| Irrigation scheduling recommendation for deciduous fruit                            | Dr Theresa Volschenk  | 021 8093345 | VolschenkT@arc.agric.za  |
| Irrigation scheduling recommendation for wine grapes                                | Dr Philip Myburgh     | 021 8093103 | MyburghP@arc.agric.za  |
| Soil Fertilization  | Dr Thandile Mdlambuzi | 021 8093160 | <a href="mailto:MdlambuziT@arc.agric.za">MdlambuziT@arc.agric.za</a> |
| Soil Cultivation-Trial to test new fertilisers and herbicides/cover crop selections | Dr Carolyn Howell     | 0218093343  | <a href="mailto:HowellC@arc.agric.za">HowellC@arc.agric.za</a>       |
| Soil-Plant relations  | Dr Nike Lewu          | 021 8093435 | LewuN@arc.agric.za   |
| Soil Health   | Dr Andre Meyer        | 021 8093274 | MeyerA@arc.agric.za  |
| Winery wastewater irrigation  | Dr Carolyn Howell     | 021 8093343 | HowellC@arc.agric.za   |
| Winery wastewater treatment,solid waste,Rural Development                           | Dr Reckson Mulidzi    | 021 8093070 | MulidziR@arc.agric.za  |

## PUBLIC RELATIONS

Public Relations Officer: Ms Derusha Crank  
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| EXPERTISE                  | NAME  | TELEPHONE                  | EMAIL ADDRESS                                 |
|----------------------------|---|----------------------------|---|
| Marketing                  | Ms Derusha Crank  | 021 8093018                | CrankD@arc.agric.za                           |
| Hiring of Venues           | Ms Leonie Timmins (Infuitec)<br>Ms Glenda Beyers(Nietvoorbij) | 021 8093305<br>021 8093155 | TimminsL@arc.agric.za<br>BeyersG@arc.agric.za |
| Selling of books/Brochures | Ms Leonie Timmins   | 021 8093305                | TimminsL@arc.agric.za                         |