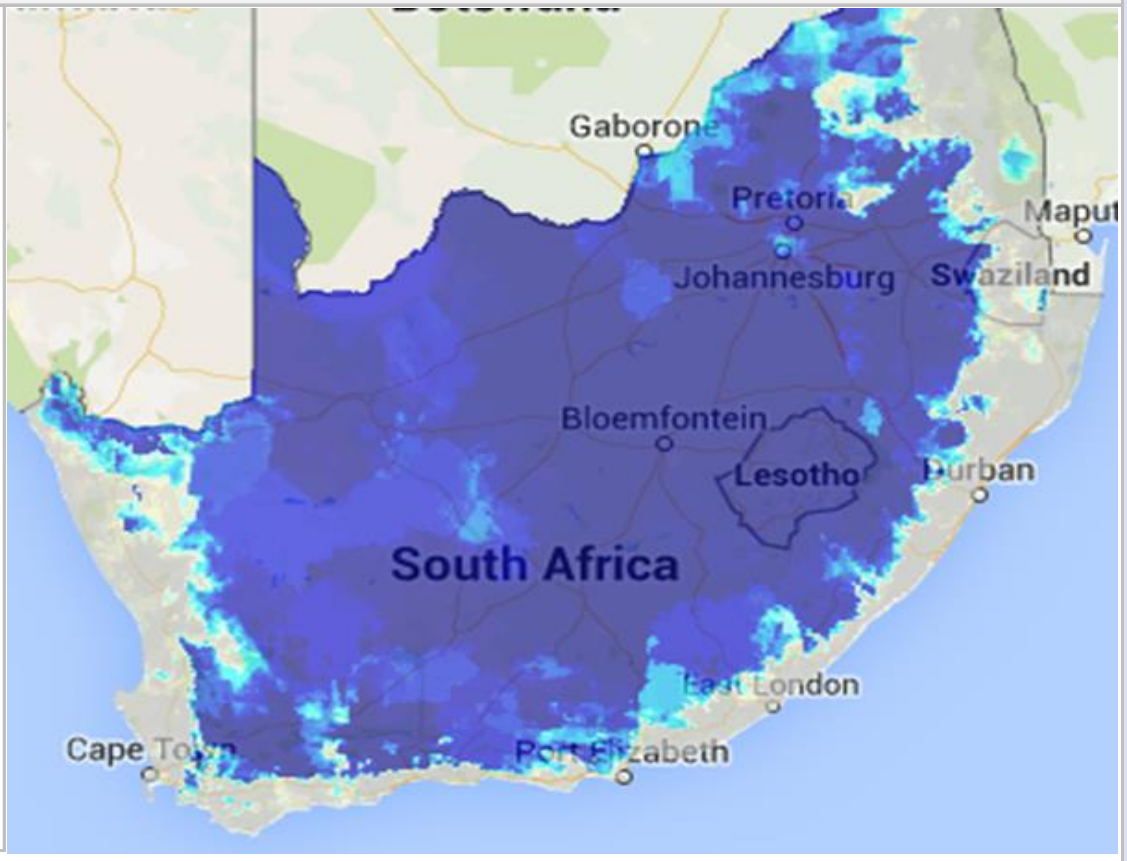
| THEME: PLANNING YIELD POTENTIALS | Prepared by: Wim Hugo, SAEON |
|---|---|

## *Frequency of Frost Occurrences*

***Legend***


*Author(s): Derived from Schulze, R.E and Maharaj, M. (2007)*

*Date: 2007*

***Meta-Data***

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|---|---|
| ***Title*** | *Frequency of Frost Occurrences* |
| ***File Name*** | *frostfrq* |
| ***Author(s)*** | *Derived from Schulze, R.E and Maharaj, M. (2007)* |
| ***Publication Date*** | *2007* |
| ***Citation*** | Schulze, R.E. and Maharaj, M. 2007. Frequency of Frost Occurrences. In: Schulze, R.E. (Ed). 2007. South African Atlas of Climatology and Agrohydrology. Water Research Commission, Pretoria, RSA, WRC Report 1489/1/06, Section 9.3. |
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| ***Abstract*** | ** The data shows the distribution patterns over South Africa of the frequency of years in which heavy frost occurs. The data was derived from Schulze, R.E and Maharaj, M (2007).*<br>** As one moves from the frost free coastal areas of South Africa, the frequency of years in which heavy frost occurs increases from < 20% of years to frost occurring in every year on record (i.e. 100% frequency). Frost occurs every year over most of the Free State and Lesotho, as well as over significant parts of the North West province and along the southern and south-eastern escarpment areas.* |
| ***Keywords*** | *climate, frost, frost frequency, temperature, weather* |

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| ***Caveats*** | http://bea.dirisa.org/resources/metadata-sheets/WP00_00_FROST.pdf |
| ***Web Meta-Data*** | |
| ***Web Resource*** | http://app01.saeon.ac.za:8082/geoserver/BEEH_grid/wms?service=WMS&version=1.1.0&request=GetMap&layers=BEEH_grid:frostfrq&styles=&bbox=16.458333,-34.841667,32.908333,-22.141667&width=512&height=395&srs=EPSG:4326&format=application/openlayers |

***Methodology/ Protocol***

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| Processing/ Provenance | *As described above* |

***Important Attributes***

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| FROSTFRQ | Frost Frequency (% of years) |

***References and Sources***

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| [1] | Schulze, R.E. and Maharaj, M. 2007. Frequency of Frost Occurrences. In: Schulze, R.E. (Ed). 2007. South African Atlas of Climatology and Agrohydrology. Water Research Commission, Pretoria, RSA, WRC Report 1489/1/06, Section 9.3. |