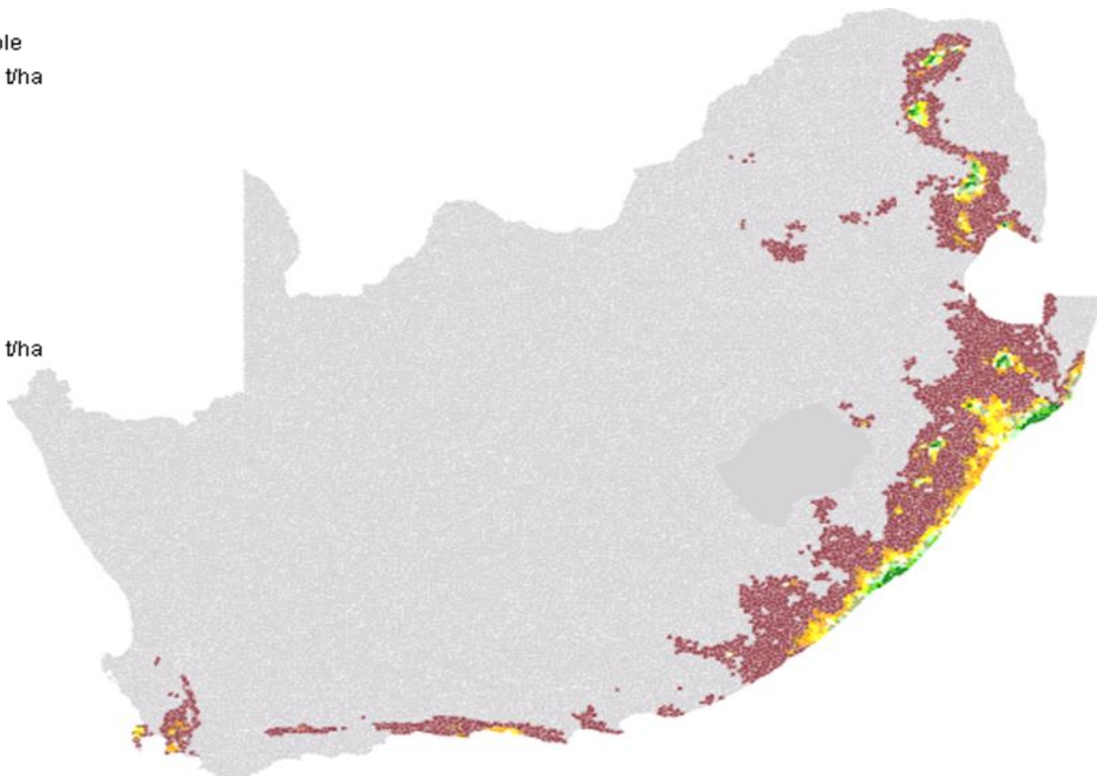


Eucalyptus grandis Yield Estimation

Legend

Eucalyptus grandis Yield

- Climatically Unsuitable
- 0.000001 - 16.00000 t/ha
- 16.000001 - 18.00000
- 18.000001 - 20.00000
- 20.000001 - 22.00000
- 22.000001 - 24.00000
- 24.000001 - 26.00000
- 26.000001 - 28.00000
- 28.000001 - 30.00000
- 30.000001 - 100.0000 t/ha



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

Date: 2007

Meta-Data

Title	<i>Eucalyptus grandis</i> estimates per mesozone
File Name	Join_meso_base_and_mai_egr_int_pt.shp
Author(s)	Derived from Schulze, R.E and Maharaj, M (2007)
Publication Date	2007
Citation	Schulze, R.E. and Maharaj, M. 2007. <i>Eucalyptus grandis</i> Growth Areas and Yield Estimation. In: Schulze, R.E. (Ed). 2007. South African Atlas of Climatology and Agrohydrology. Water Research Commission, Pretoria, RSA, WRC Report 1489/1/06, Section 18.3.
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Abstract	<p>*The data shows <i>Eucalyptus grandis</i> yield estimates allocated to mesozones. Yield estimates were derived from Schulze R.E. and Maharaj M. (2007) and then allocated to mesozones by combining with a base mesozone layer obtained from the CSIR Geospatial Analysis Platform (GAP).</p> <p>*<i>E. grandis</i> is native to the east coasts of Queensland and New South Wales in Australia, where it goes by the common name of Rose Gum (Meskimen and Francis, 2005). In its native habitat <i>E. grandis</i>, with its pronounced taproot, grows to 55 m in height on the lower slopes in well drained soils. Determination of Climatically Optimum Growth Areas of <i>E. grandis</i> have been defined in the ICFR's Forestry Toolbox (Kunz, 2004), by mean annual precipitation (MAP) and mean annual temperature (MAT).</p> <p>*<i>E. grandis</i> Yield Estimates Based on Smith's Rule-Based Approach Using Smith's (1994) rule-based approach for estimating MAIs of <i>E. grandis</i>, and considering only his climatic criteria and not soil or management factors.</p>
Keywords	agriculture, biomass, eucalyptus grandis, mesozones, yield estimation
Caveats	http://bea.dirisa.org/resources/metadata-sheets/WP03_00_META_EUC.pdf
Web Meta-Data	
Web Resource	http://app01.saeon.ac.za:8086/geoserver/BEA/wms?service=WMS&version=1.1.0&request=GetMap&layers=BEA:Join_meso_base_and_mai_egr_int_pt&styles=&bbox=16.45192000002853,-34.83416989569373,32.89253174669768,-22.12503000000106&width=512&height=395&srs=EPSG:4326&format=application/openlayers

Methodology/ Protocol

Processing/ Provenance	As described above
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Important Attributes

MESO_ID	Meso-zone ID
AVG_GRID_C	<i>Eucalyptus grandis</i> yield estimates, t/ha

References and Sources

[1]	Base Mesozone Dataset: http://196.21.191.61:8085/geoserver/GAP/wms?service=WMS&version=1.1.0&request=GetMap&layers=GAP:meso_2010_base_wgs84&styles=&bbox=16.4519200000285,-34.8341698956937,32.8925317466977,-22.1250300000011&width=512&height=395&srs=EPSG:4326&format=application/openlayers
[2]	Geospatial Analysis Platform. 2015. GAP. [ONLINE] Available at: http://www.gap.csir.co.za/ . [Accessed 30 March 2015].
[3]	<i>Eucalyptus grandis</i> Growth Areas and Yield Estimation: http://196.21.191.61:8082/geoserver/BEEH_grid/wms?service=WMS&version=1.1.0&request=GetMap&layers=BEEH_grid:eucgra&styles=&bbox=16.458333,-34.841667,32.908333,-22.141667&width=512&height=395&srs=EPSG:4326&format=application/openlayers
[4]	Schulze, R.E. and Maharaj, M. 2007. <i>Eucalyptus grandis</i> Growth Areas and Yield Estimation. In: Schulze, R.E. (Ed). 2007. South African Atlas of Climatology and Agrohydrology. Water Research Commission, Pretoria, RSA, WRC Report 1489/1/06, Section 18.3.