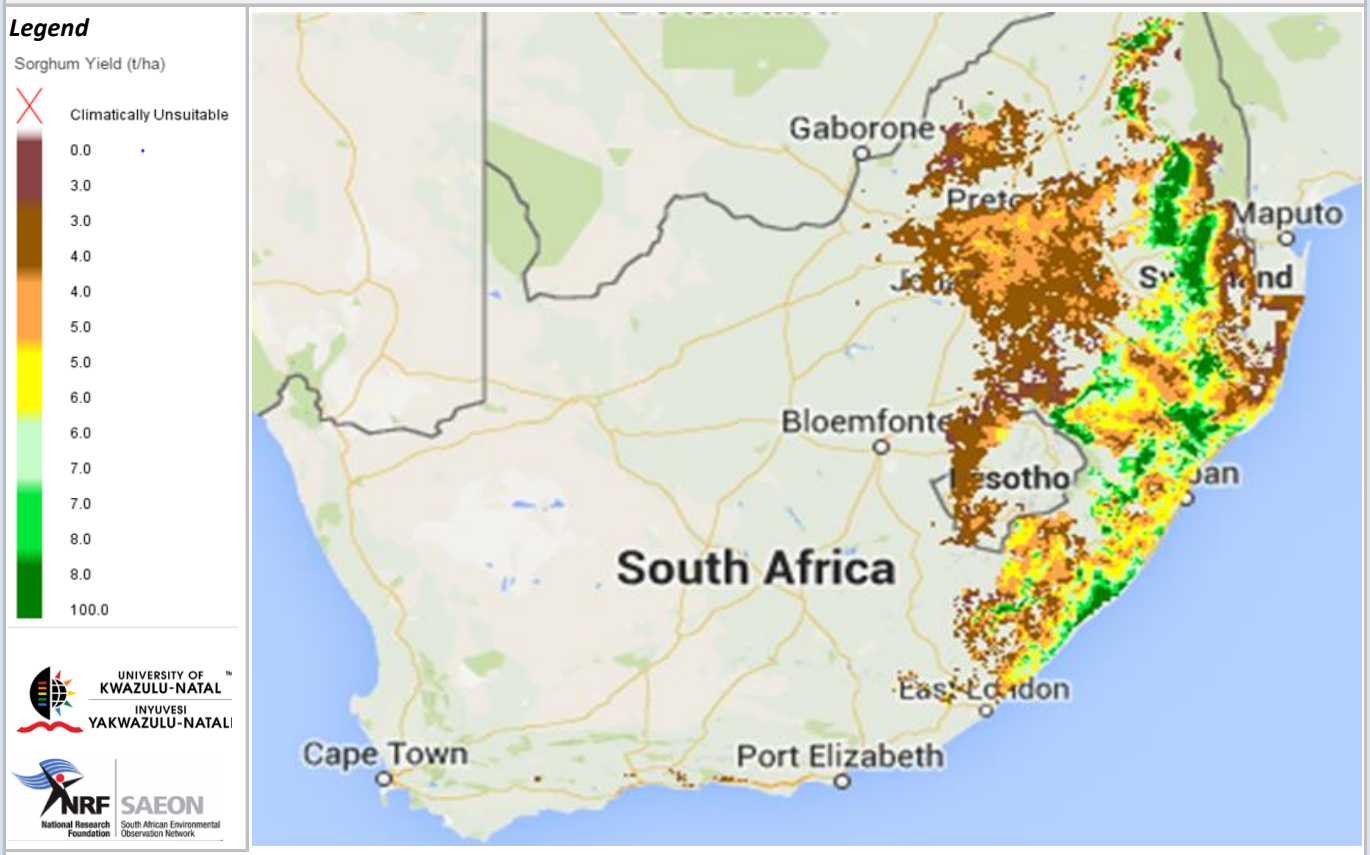
THEME: PLANNING YIELD POTENTIALS	Prepared by: Wim Hugo, SAEON

Sorghum Yield Estimation and Growth Areas



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

Date: 2007

Meta-Data

Title	*Sorghum Yield Estimation and Growth Areas*
File Name	*yld_sorghum*
Author(s)	*Derived from Schulze, R.E and Mararaj, M (2007)*
Publication Date	*2007*
Citation	Schulze, R.E. and Maharaj, M. 2007. Sorghum 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 16.4.
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Abstract	**Data shows sorghum yield estimates. *Yield estimates were derived from Schulze R.E. and Maharaj M., (2007).* **Sorghum is indigenous to Africa. In comparison with maize, it is grown in relatively warm areas.* **Using Smith's (1998) climatic criteria, yields of sorghum are estimated using the effective rainfall for October to March and heat units (base 10 degree Celsius) for the same period, with modifications to yield made for soil properties and management levels. Rainfall values were derived from the 1 arc minute (1' x 1' latitude x longitude) median monthly rainfalls generated for South Africa by Lynch (2004).*

Keywords	*agriculture, crops, sorghum, yield estimation*
Caveats	http://bea.dirisa.org/resources/metadata-sheets/WP03_00_META_SORGHUM.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:yld_sorghum&styles=&bbox=16.458333,-34.841667,32.908333,-22.141667&width=512&height=395&srs=EPSG:4326&format=application/openlayers

Methodology/ Protocol

Processing/ Provenance	*As described above*

Important Attributes

YLD_SORGHUM	Sorghum Yield estimates, t/ha

References and Sources

[1]	Schulze, R.E. and Maharaj, M. 2007. Sorghum 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 16.4.