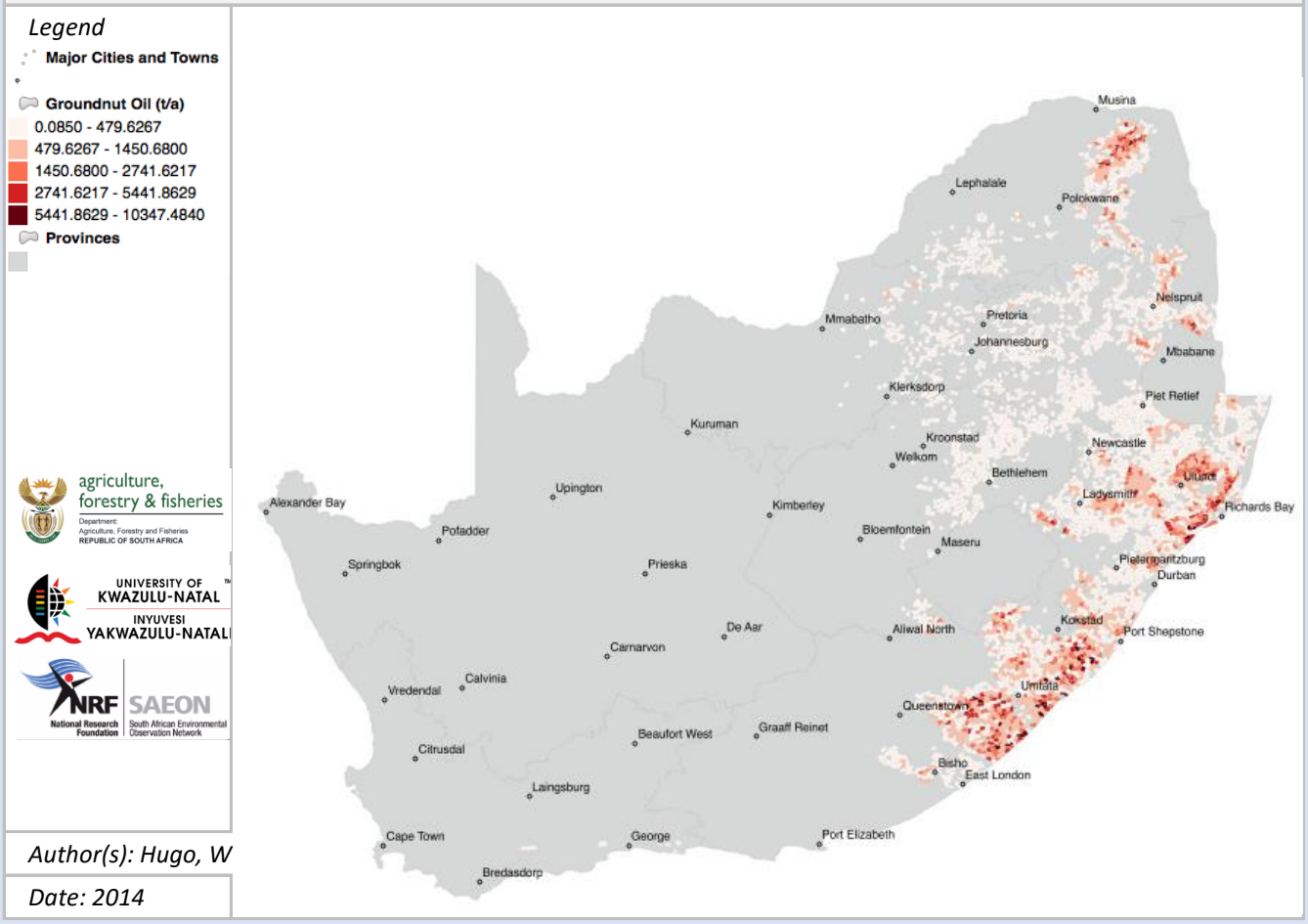
THEME: PURPOSELY CULTIVATED CROPS	Prepared by: Wim Hugo, SAEON

Production of Groundnuts on Subsistence and Underutilised Farmland



Author(s): Hugo, W

Date: 2014

Meta-Data

Title	*Production of Groundnuts on Subsistence and Underutilised Farmland*
File Name	*1_03_NUT*
Author(s)	*Hugo, W*
Publication Date	*2014*
Citation	*Hugo, W, 2014. Groundnut Production on Subsistence Farmland. In: Hugo W. (Ed). 2015. South African BioEnergy Atlas. DST, Pretoria, RSA, Section W03_00.*
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Abstract	*Data was derived from the following sources:* ** Extent of underutilised and subsistence farmland, data obtained from Department of Agriculture, Forestry, and Fisheries.* ** On such land, groundnut potential was calculated from data published by Schulze and Maharaj (2007) on groundnut-growing potential.* ** Grain, Oil, Oilcake, and Residue production was calculated based on seed yields, and aggregated to meso-zones for planning and feasibility analysis.* ** Grain, Oil and Residue ratios were derived from literature*

Keywords	*biomass, potential, agriculture, groundnut, peanut, seed, oil, residue, straw*
Caveats	*http://bea.dirisa.org/resources/metadata-sheets/WP03_00_META_NUT.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:1_03_NUT&styles=&bbox=16.451920000028533,-34.83416989569374,32.892531746697685,-22.125030000001036&width=512&height=395&srs=EPSG:4326&format=application/ope

Methodology/ Protocol

Processing/ Provenance	*As described above*

Important Attributes

MESO_ID	Meso-zone ID
INF_HA	Subsistence and Underutilised farmland in mesozone, ha
NUT	Seed production in zone per annum, tons
OIL	Oil production in zone per annum, tons
CAKE	Oilcake residue production per zone per annum, tons
LIGNO	Ligno-Cellulose (Residue) production in zone per annum, tons

References and Sources

[1]	Schulze, R.E. and Maharaj, M. 2007. Groundnut 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 16.7.
[2]	"Schulze, R.E. 2007. Primary Production. In: Schulze, R.E. (Ed). 2007. South African Atlas of Climatology and Agrohydrology. Water Research Commission, Pretoria, RSA, WRC Report 1489/1/06, Section 14.1."
[3]	Crop Boundaries for South Africa - Obtained from Department of Agriculture, Fisheries, and Forestry, 2014. Refer to http://app01.saeon.ac.za:8085/geoserver/WP03/wms?service=WMS&version=1.1.0&request=GetMap&layers=WP03:cropland_rsa&styles=&bbox=17.87917501867629,-34.72917318565405,32.84584168833629,-22.143699645996094&width=512&height=430&srs=EPSG:4326&format=application/openlayers
[4]	Hugo, W 2014. Crop Yield Ratios and Potential for Yield Improvement, South African BioEnergy Atlas, DST, Pretoria, South Africa, 2015. Section WP03_00_CROP_YIELD