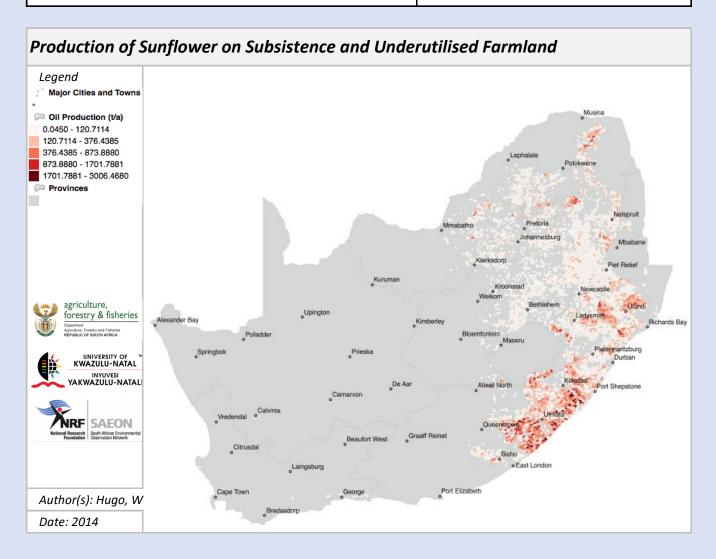
# THEME: PURPOSELY CULTIVATED CROPS

Prepared by: Wim Hugo, SAEON



#### Meta-Data

Title	Production of Sunflower on Subsistence and Underutilised Farmland
File Name	1_03_SUN.shp
Author(s)	Hugo, W
Publication Date	2014
Citation	Hugo, W, 2014. Production of Sunflower on Subsistence and Underutilised Farmland. In: Hugo W. (Ed). 2015. South African BioEnergy Atlas. DST, Pretoria, RSA, Section W03_00.
License	Creative Commons 4.0 BY SA (No restrictions on re-use, proper citation and attribution requ
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, sunflower potential was calculated from data published by Schulze and Maharaj (2007) on sunflower-growing potential. * Oil, Seed, Oilcake, and Residue production was calculated based on sugar yields, and aggregated to meso-zones for planning and feasibility analysis. * Oil, Seed, Oilcake and Residue ratios were derived from literature

Keywords	biomass, potential, agriculture, seed, sunflower, oil, oilcake, residue
Caveats	http://bea.dirisa.org/resources/metadata-sheets/WP03_00_META_SUN.pdf
Web Meta-Data	
Web Resource	http://app01.saeon.ac.za:8086/geoserver/BEA/wms?service=WMS&version=1.1.0&reque
	st=GetMap&layers=BEA:1_03_SUN&styles=&bbox=16.451920000028533,-
	<u>34.83416989569374,32.892531746697685,-</u>
	22 125030000001036&width=512&height=395&srs=FPSG·4326&format=annlication/one

# Methodology/ Protocol

Processing/ Provenance As described above		As described above	Processing/ Provenance	
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#### Important Attributes

MESO_ID	Meso-zone ID
INF_HA	Subsistence and Underutilised farmland in mesozone, ha
SUN	Biomass production in zone per annum, tons
OIL	Oil production in zone per annum, tons
CAKE	Oilcake residue production per zone per annum, tons
GRAIN	Grain or seed production in zone per annum, tons
LIGNO	Ligno-Cellulose (Residue) production in zone per annum, tons

### **References and Sources**

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	Forestry, 2014. Refer to
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	34.72917318565405,32.84584168833629,-
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[4]	Atlas, DST, Pretoria, South Africa, 2015. Section WP03_00_CROP_YIELD