

SPOTLIGHT on AGRICULTURE

Ministry of Agriculture,
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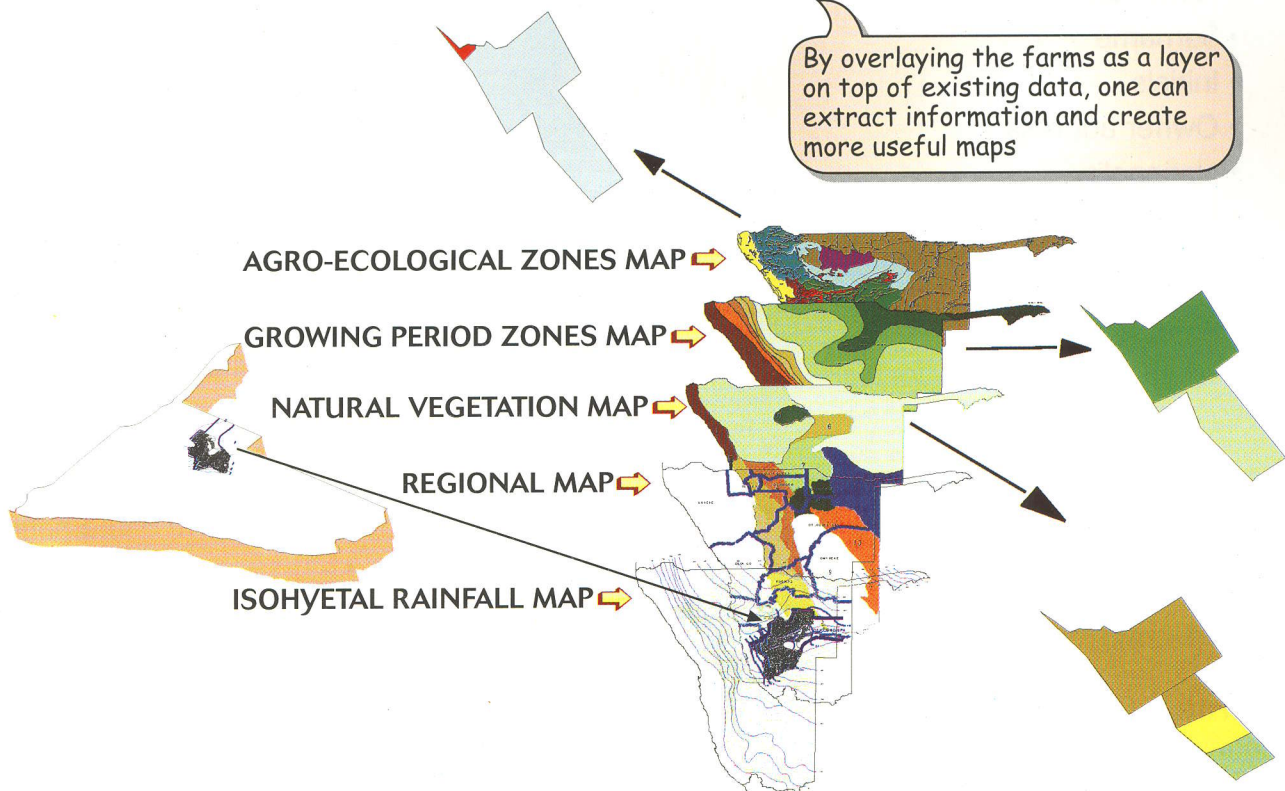
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Farm Database of Namibia

The Agro-ecological Zoning Programme (AEZ) of Namibia under the Division Plant Production Research, Directorate of Agriculture Research and Training, Ministry of Agriculture, Water and Rural Development has captured all the Namibian farm data. This will assist them in research and map production projects and enable them to supply cadastral information as well as topographical information, which is necessary for sustainable agriculture development of the entire country.

MAP PRODUCTION

By overlaying the farms as a layer on top of existing data, one can extract information and create more useful maps



The graphical spatial data was captured by digitizing 220 noting sheets of the Surveyor General's Office at detailed scales, which vary between 1: 5000 and 1: 50 000. This process took approximately 9 months. Visual FoxPro Version 3, a relational database development application, was used to capture the alphanumeric data at Deeds Office from September 1998. Data was also captured from the farm registers at the Deeds Offices in Windhoek and Rehoboth.

Results

Two linked tables were created, called Farminfo.dbf and Farmown.dbf.

Farmid	Farm_name	Mag_dist	Farm_size	Gis_area	Purch_date
FMA/0001	ORUSEWA	OUTJ	5151.7499	53452893	06/21/73
FMA/0002	TSAWISIS	OUTJ	5891.9771	56611143	06/21/73
FMA/0003	ELBA	OUTJ	5171.5200	51501294	06/21/73
FMA/0004	MOPANIE	OUTJ	5317.1056	50674314	08/19/86
FMA/0005	WAFACHAAMS	OUTJ	4949.5119	49619595	06/26/87
FMA/0006	FRANZPONTEIN	OUTJ	0.0000	580269401	..
FMA/0007	MALTA	OUTJ	5022.2694	49013930	07/01/85
FMA/0010	LEGHORN	OUTJ	4581.7478	48318225	05/09/68
FMA/0012	MOOPPOORT	OUTJ	5060.5275	49573206	04/16/96
FMA/0015	BEATRICE	OUTJ	4534.8507	45448851	06/06/85
FMA/0016/00001	NOOITGEDACHT	OUTJ	1609.7431	16245381	12/13/96
FMA/0016/00002	NOOITGEDACHT	OUTJ	2000.1950	20562159	12/13/96
FMA/0020	GROSS OMARURU	OUTJ	4326.0884	43043745	11/28/79
FMA/0024	TESCHENDORF	OUTJ	5157.1802	51416714	03/26/84
FMA/0025/00001	DUIKERSHOEK	OUTJ	3600.1863	34917867	03/27/57
FMA/0025/00002	NEU DJITAMBI	OUTJ	5.9639	675931	01/25/88
FMA/0025/00REM	DIJITAMBI	OUTJ	6551.8771	..	03/26/84
FMA/0027/0000A	KHAIROS	OUTJ	2539.0800	24351566	03/07/78
FMA/0027/00REM	KHAIROS	OUTJ	2512.1365	..	03/07/78
FMA/0028	HIRABIS SUD	OUTJ	5138.3551	50836128	07/18/95
FMA/0029	URIES EKANGO	OUTJ	5003.4025	49811439	07/20/83
FMA/0030	CALIAS OKAWA	OUTJ	5036.2100	51016143	03/08/74
FMA/0031	HIRABIS	OUTJ	5080.2077	49555254	02/08/96
FMA/0032	NUBES	OUTJ	5106.4618	52038349	11/03/95
FMA/0033/0000A	CHAUDAMAS	OUTJ	5000.1866	50310407	03/30/94
FMA/0033/00REM	CHAUDAMAS	OUTJ	5000.2321	..	09/15/89

The FARMINFO table consists of 6 fields and contains information like:

- Farm number
- Farm name
- Farm size
- Magisterial District
- GIS area
- Purchase date

The FARMOWN table consists of 7 fields and contains information like:

- Farm number
- Surname
- Initials
- Owner address
- Nationality
- Birth date
- ID Number

Farmid	Surname	Initials	Nationality	Birth_date	Id_number
FMA/0001	GOV. OF NAMIBIA				
FMA/0002	GOV. OF NAMIBIA				
FMA/0003	GOV. OF NAMIBIA				
FMA/0004	GOV. OF NAMIBIA				
FMA/0005	GOV. OF NAMIBIA				
FMA/0006	POMPIES				
FMA/0007	SERFONTEIN	A			
FMA/0010	POMPIES	A		9/26/33	
FMA/0012	CLOETE		NAM		
FMA/0015	CLOETE	D	NAM	7/23/28	2807230100147
FMA/0016/00001	GOV. OF NAMIBIA	G	NAM	6/12/54	
FMA/0016/00002	VAN DER BERG	J		2/12/54	
FMA/0020	BEUKES	K	NAM	11/1/44	
FMA/0024	CLOETE	K	NAM	5/23/58	5805230100262
FMA/0025/00001	GOV. OF NAMIBIA	O		10/11/28	
FMA/0025/00002	CLOETE	P		5/7/40	4005070100426
FMA/0025/00REM	POMPIES	Y	NAM	5/23/58	5805230100262
FMA/0027/0000A	CLOETE	R	GERM	11/5/39	
FMA/0027/00REM	POMPIES	V	GERM	11/5/39	
FMA/0028	CLOETE	I	NAM		
FMA/0029	POMPIES	E	NAM	9/30/34	3409300100100
FMA/0030	CLOETE	S	NAM	2/20/49	
FMA/0031	CLOETE	A	NAM	4/14/43	4304140100408
FMA/0032	NUBES FARMING (PTY) LTD		NAM		
FMA/0033/0000A	VERMEULEN	F_C_E		2/4/37	3702040100076
FMA/0033/00REM	LOUW	J_A	NAM	3/15/48	4803150100632

The database query tool makes faster access to farm information possible.

This query output can be presented visually on computer monitor and in the form of thematic maps. It can serve as a valuable geo-referencing tool for satellite images.

Beneficiaries of this data

Ministry of Lands, Resettlement & Rehabilitation, all the Directorates in the Ministry of Agriculture, Water and Rural Development, Ministry of Works, Transport and Communication, Ministry of Environment and Tourism and all parties involved in planning and development to improve the country's resources, will benefit from the **Farmdatabase of Namibia**.

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