

COTTON IN SUDAN

- Sudan is considered as one of the largest countries in Africa, if not the largest one.
- Country total area is about 2.54 million square kilometers.
- 80% of its population practice agriculture (rain fed or irrigated agriculture).
- Irrigated agriculture represents 20% of the total cultivated area and produces the main portion of cotton.

Major Irrigation Schemes

Scheme	Area in Hectares
Gezira	900,000
New Halfa	120,000
Rahad	160,000
EsSuki	40,000

locations

Historical Background

- Cotton was introduced first in Sudan in the year 1890 in eastern Sudan at Tokar Delta.
- Then in the river Nile in Zaidab area in 1902.
- In Gezira Scheme in 1925. This scheme is mainly established to produce cotton for British factories in Lancashire & Yorkshire in England.
- Then later introduced in New halfa and Rahad schemes in 1964 and 1978 respectively.
- Cotton is also practiced in rain fed and flooded areas as well
- It was supported by a far-sighted research program that started in 1904.

Types of Varieties

- ELS : Extra Long staple – Barakat 90
- LS: Shambat – Nor
- MS: Acala 67B
- SS: Acrain

Areas (feddans) 1 feddan = 0.42 ha

Season	Gezira	New Halfa	Rahad	Essuki	Total
06/97 – 0/01	264	47	52	16	379
04/2005	326	50	50	25	451
05/2006	304	40	40	17	401
06/2007	240	38	54	21	353

Export ('000 bales of Sudan Cotton 1990 -2006)



Cotton Value (M\$)



Cotton Area ('000 feddans)



Why decrease in cotton areas

- ♦ Very low yield/hectare ranging from 450 – 550 kg/ha.
- ♦ High cost of production.
- ♦ Sale prices are very low and fluctuating.
- ♦ Agricultural inputs (fertilizers, etc...).
- ♦ Unstable policies
- ♦ Pest management difficulties.
- ♦ Competition of other crops

Water control



Some photos





Irrigated Agricultural Schemes

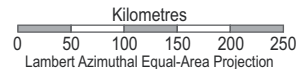
1. Gezira and Managil	870'750 ha	7. Guneid Sugar	15'795 ha
2. New Halfa	152'280 ha	8. Assalaya Sugar	14'175 ha
3. Rahad	121'500 ha	9. Sennar Sugar	12'960 ha
4. Gash Delta	101'250 ha	10. Khashm El-Girba	18'225 ha
5. Suki	35'235 ha	11. Kenana Sugar	45'000 ha
6. Tokar Delta	30'780 ha		

Mechanized Agricultural Schemes (planned and unplanned)

1. Habila	7. Gedaref
2. El-Dali	8. Southern Kordofan
3. El-Mazmum	9. White Nile
4. El-Raheed	10. Upper Nile
5. El-Sharkia	11. Blue Nile
6. Dinder	

Agricultural schemes boundaries are approximate.

DRAFT VERSION



Sources:
SIM (Sudan Interagency Mapping); FAO; vmapiv0, gns, NIMA;
The Gateway to Astronaut Photography of Earth, NASA;
various reports, maps and atlases; UN Cartographic Section.

