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FERMILIZER INDUSCRY IN THE SUDAN"

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# PERTILIZER INDUSTRY IN THE SUDAR

### INTRODUCTION:

The application of fertilizers in the Sudan started at the first time in the Gesira Scheme in the early Thirties. These fortilizers were of nitregeneous nature according to recommendations of Agricultural Research Corporaticn. This is due to defficiency of nitrogen in the soil of the Central Sudan. However, officials, believe that this will be the situation for years to come. Thus the imports of fertilizers like Ammonium Nitrate, Ammonium Sulphate were the first to be applied in the irrigated agricultural schemes. later and till now the dominant fertilizer, used in the Sudan is area which is rich in nitregen compared with others. The imports of fortilizers (urea), are increasing rapidly year after year, and the vertical expension in agriculture depends to a great extent on application of fertilizers, this lel to the Sudan to start building its own industry of fertilizer - a plant for the production of urea which is due to start operation.

### Background on Fertilizers Application in the Sudan:-

The Sudan, one million square miles of territory depends mainly on agriculture. The application of fertilizers is limited only to irrigated agricultural schemes. However, in the traditional agriculture, the application of fertilizers is not witnessed. This include the rainfed agriculture.

The extensive research on different crops, especially cotton, and the results of soil analysis, were an indicator ... for the recommendation of fortilizers of nitrogeneous nature. That is why imports of fortilizers were ammonium nitrate and ammonium sulphate and recently urea, which is now the main fortilizer used in the Sudam.

# Areas of Main Crops:

The main crops where fortilizer is applied are cotton, sugar-cane, groundnuts, wheat, sorghum and horticultural products. The following table shows, different area expansions of these basic products:-

# Area in (000) Feddans :

	1975/76	1976/77	1977/78	1978/79	
Cetten	981	1006	1120	1036	
Serghum	6331	<b>6</b> 287	5552	7202	
Groundnuts	2321	1330	2551	2323	
Wheat	590	539	\$C2	585	

Imports of Portilizors :-

The following table shows the imports (quantity and prices ) of imported fortilizors. These fortilizors are mainly urea.

Year	Quantity in theusand tens.	Value in Sudanese '000' Pounds	·
1972	194	2496	
1973	189	3760	
1974	259	7134	
1975	167	7331	
1976	207	9386	
1977	183	4115	

# Local Production:

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Now there is no local production, but there is a plant in a commissioning stage. The target of this project is to manufacture 200,000 tons/year of urea, 46% N, by steam referming of maphtha. The location of this plant is Kharteum.Naphtha is used as raw material and fuel. The plant requires 84400 tons/year of imported Naphtha.



