

# Nigeria fertilizer demand / supply outlook

AFCOME International Meeting Avignon 10<sup>th</sup> November, 2017

## Agenda



#### **Overview of the Dangote Group**

Nigeria Agric landscape

New supply



### Additional information on some of our Existing Businesses





#### Dangote Cement PLC

- Total installed capacity of ~ 44M mtpa across eight countries (Nigeria, Ghana, Cameroon, Senegal, Ethiopia, Zambia, South Africa and Tanzania)
- Additional greenfield and brownfield capacity (~ 22M mtpa) is currently under development in several countries across SSA. Our goal is to expand total installed capacity to ~ 80M mtpa by 2020.



#### Dangote Flour Mills PLC

- Five wheat milling locations: Apapa, Ikorodu, Calabar, Ilorin, Kano with a combined installed capacity of 2.45Mtpa
- Its subsidiary Dangote Pasta produces pasta from its factory in Ikorodu (installed capacity of about 228,500 Mtpa)
- Another subsidiary, Dangote Noodles has its manufacturing operations in Ikorodu, Calabar & Kano (installed capacity of about 42,110 Mtpa)



#### **Dangote Sugar Refinery PLC**

- Current capacity 1.44M mtpa
- Largest in Sub-Saharan Africa and 2nd largest in the world
- Unfortified Industrial White Sugar and Vitamin A-fortified White Sugar
- Leader in the Nigerian sugar market, ~ 65% market share
- Savannah Sugar Company (Numan) Backward Integration



#### NASCON PLC (Salt Refinery)

- Currently has a combined installed capacity of 600,000 mtpa.
- Refines, fortifies and packages table, agricultural and industrial salts
- Controls ~ 60% Nigeria's salt market
- Oil Palm refinery and fractionation, seasoning and tomato paste
- Plans are on the way to expand salt refining capacity by 300,000 Mtpa

#### AFCOME The group has invested over \$7bn in the last 15 years. Almost RENCONTRES 10% of the total FDI inflows during that period... **INTERNATIONALES** Avignon 2017 Dangote Group investments in Nigeria vs. FDI inflows, USD bn 72.67 ~ 0.29 ~ 7.06 ~ 1.00 ~ 0.52 Most of this ~ 0.75 goes into Oil & Gas. Very little ~ 2.00 goes into ~2.50 Manufacturing

Obajana	lbese	Gboko	Dangote	Transport Others <sup>1</sup>	Total	FDI
Cement	Cement	Cement	Sugar	·		inflows
Plant	Plant	Plant	-			(2003-15

## ...and has an investment pipeline of over \$20bn for Nigeria

Investment pipeline, USD bn







## Dangote Fertilizer Project is the largest Granulated Urea Fertilizer complex coming up in the Africa

- Capacity build up : 3 million Tonnes per annum
  - Ammonia Plants : 2 x 2,200 MTPD based on Haldor Topsoe technology
  - -Urea Melt Plants: 2 x 4,000 MTPD based on Snamprogetti technology
  - -Urea Granulation plants: 2 x 4,000 MTPD based on Uhde Technology
  - -Captive Power plant: 3 x 40 MW Steam Turbine Generators
  - -Auxiliary Boilers: 3 x 200 Tonnes per hour steam generation
- Investment: USD2bn (excluding land, land development, and other infrastructure development)
- EPC Contractor: Saipem, Italy and Saipem Construction Nigeria
- PMC: Tata Consulting Engineers, India
- Location: Lekki Free Trade Zone, Lagos
- Target completion: Q1 2018

#### **Construction is progressing smoothly**



#### Pictorial view of the construction site





Vacuum concentrator being transported on a barge

Pictorial view of the construction site





Urea reactor being offloaded at site

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#### Let's start with a quick geography lesson





## Nigeria has a relatively sizeable agricultural production





- Nigeria's agricultural output is comparable to Brazil's and twice as large as that of France
- In essence, Nigeria can be described as an agrarian economy

## Yet, there is a lot of potential for further growth as crop yields Iack world average



## Agricultural production could potentially double if certain gap AFCOME are closed

Projected GDP growth in Nigeria's agricultural sector Real value added, basic prices, 2014 \$ billion



- · Maize and rice yields in Nigeria are only about half that of South Africa or Thailand, and about a fifth that of the US
- · Farmers lose more than 40% of harvests of certain crops to spoilage and waste
- Fisheries (\$2.3 billion) and forests (\$1.2 billion) constitute only 3.8% of agriculture GDP.

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#### AFCOME Low yield partially driven by bottlenecks in the Nigeria fertilizer RENCONTRES value chain **INTERNATIONALES** Avignon 2017

The fertilizer value chain and its challenges



#### A large portion of fertilizer is supplied through the government AFCOME RENCONTRES

How the "Presidential fertilizer initiative" works



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## By 2018, there will be about 4.9m tons production capacity in Nigeria from 3 players





#### **AFCOME** Current Urea consumption is only a fraction of installed indust? RENCONTRES

## capacity but could grow significantly Nigeria fertilizer consumption scenarios, 000MT

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- (1) 17.8kg/Ha of arable land x 34.5m Ha of arable land (37.3% of total land area)
- (2) Import data from customs + production data from producers export data from customs
- (3) Consumption at Africa average of 70kg/Ha and 20% increase in land under cultivation (feasible as current statistic of only 37% of total land being under cultivation is disputed and considered too low)

#### AFCOME In the interim, target will be to sell what we can in Nigeria and export the rest

Sales mix, %		Key success factors
		<ul> <li>Sell to global traders</li> <li>Target deliveries to the Americas given relative geographical proximity</li> </ul>
Global	55 – 65%	
West Africa	15 – 20%	Focus on neighbouring countries and countries with existing Dangote operations
Nigeria	20 – 25%	<ul> <li>Invest to stimulate demand:         <ul> <li>Pre-build stock in the hinter-land to avoid late deliveries and demand spike</li> <li>Partner with government to improve subsidy programme</li> </ul> </li> </ul>

**RENCONTRES** 

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# Subsequently, we aim to continue to expand into other fertilise RENCONTRES Segments

## Expand into NPK

production

#### Develop customised fertilisers

## Ensure year round availability and value

- Strategic depots
- Dedicated fleet
- Leverage distributor relationships
- Extension services
- Government partnerships

- Partner with blenders
- Local DAP/MAP production

- Customised / specialty fertilizer production
- Facilitate more extensive soil testing
- Farmer education



