



DANGOTE FERTILISER LIMITED



Urea Plant



CONTENTS

Dangote Fertiliser Limited	-	Pg. 5	Dangote Agricultural Services (DAS)	-	Pg. 24
Our Values	-	Pg. 6	Soil Testing Services	-	Pg. 25
Vision/Mission	-	Pg. 7	Community Development Initiatives	-	Pg. 33
Our Focus	-	Pg. 8	Job Creation	-	Pg. 36
Dangote Fertiliser Urea advantages	-	Pg. 9	Foreign Exchange Savings	-	Pg. 38
Packaging	-	Pg. 10	Per Hectare Fertiliser Consumption in African Countries	-	Pg. 39
Regional Marketing Offices	-	Pg. 11	Nigeria's Fertiliser Requirements	-	Pg. 40
Plant Overview	-	Pg. 12	Role of Nigeria's Population in Fertiliser Production	-	Pg. 41
Salient Features	-	Pg. 15	Agriculture in Nigeria	-	Pg. 42
High Standards & Safety	-	Pg. 19	Dangote Industries Limited	-	Pg. 43
State-of-the-Art Technology	-	Pg. 21			

Primary Reformer



Dangote Fertiliser Limited

- Dangote Fertiliser Plant is Africa's largest Granulated Urea Fertiliser complex. The plant occupies 500 hectares of land in Lekki Free Trade Zone, Lagos Nigeria. It was built at a cost of \$2.5 Billion.
- With Nigeria estimated to need about 5 to 7 million metric tonnes per annum of fertiliser and with the current level of fertiliser consumption in the country which is 1.5 million metric tonnes, Dangote Fertiliser complex was established to produce 3 million metric tonnes per annum of urea fertiliser in phase 1.
- Dangote Fertiliser works with Farmer Associations, Corporate Farms, NPK Blenders, NGO/development partners and State Governments all over Nigeria, as well as governments across Africa and beyond who are looking for sustainable approach to improve soil and farm yields.

3 MILLION METRIC
TONNES PER ANNUM
(MMTPA)
of urea fertiliser in phase 1.

Our Values

Safety, Health & Environment



Customer Focus



Profitability



Innovation



Reward Performance



Integrity & Honesty



Team Work



Vision/Mission

Our Vision:

To make Nigeria self-reliant in food production by improving crop productivity for the farmers.

Our Mission:

To provide distinctive, high quality fertiliser products and services with sustained commitment to customer satisfaction, whilst delivering superior returns to our stakeholders.

Our Focus

To make fertiliser affordable and available to farmers, eradicate influence of middlemen, and improve product efficiency through research, innovation and the latest technology.



To ensure customer satisfaction and protect stakeholders interest.



To be the most preferred manufacturer and supplier of fertilisers and other Ammonia products in Africa.



To produce fertiliser and chemical products in a safe and healthy environment for the benefit of all stakeholders.



To be a leading manufacturer of quality and affordable fertiliser products all over the world.



Dangote Fertiliser Urea Advantages

- ✓ Dangote Urea is an export quality product with global standards.
- ✓ Dangote Granular Urea has low moisture for easy handling and application
- ✓ Dangote Urea is uniform, consistent and free flowing.
- ✓ Dangote Urea is made from Natural gas and it provides Nitrogen to plants which helps in rapid growth.
- ✓ Dangote Urea's consistent release of Nitrogen ensures healthy crop, higher yield and quality produce.
- ✓ Less leaching & volatilisation, hence environmentally friendly.

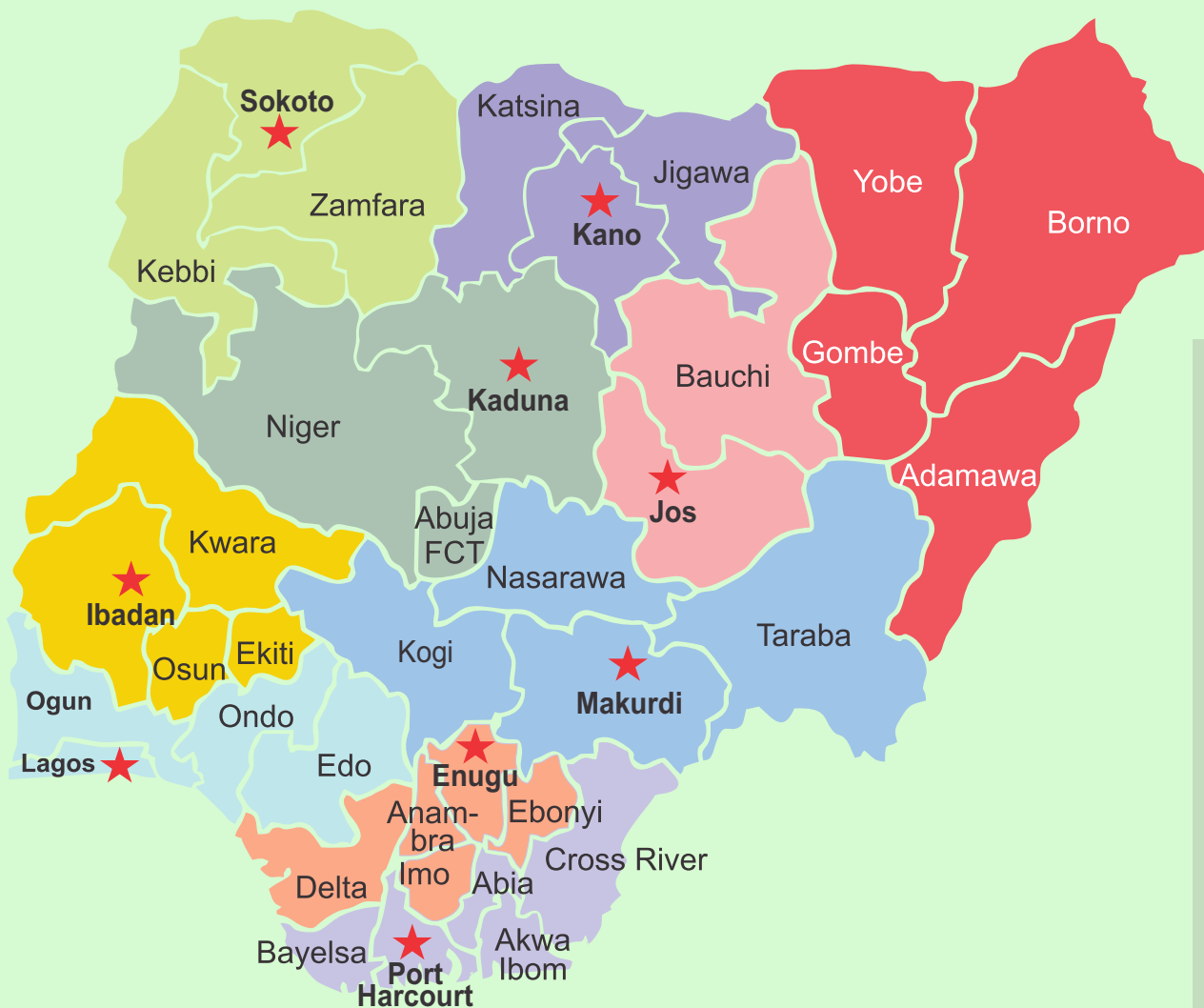
Dangote Urea's consistent release of Nitrogen ensures healthy crop, higher yield and quality produce

Packaging

Packaging and presentation are critical to how our product is perceived in the market. Our full-service production process includes diverse packaging choices, which complement our high quality finished product.

“
Dangote Urea full bag
weight is
50kg
”

Regional Marketing Offices



★ Regional Marketing Offices

Kano	★
Sokoto	★
Kaduna	★
Jos	★
Makurdi	★
Enugu	★
Port Harcourt	★
Lagos	★
Ibadan	★

Plant Overview

CAPACITY:

3.0 Million Tonnes
of Urea Per Year
(2 x 1.5 MMTPA)

LOCATION:

Lekki Free Trade
Zone, Lagos

TYPE:

Greenfield Project

FEED STOCK:

Natural Gas

Process Units

Ammonia Plant
- Train 1:

2,200mtpd
Ammonia

Ammonia Plant
- Train 2:

2,200mtpd
Ammonia

Granular Urea Plant
- Train 1:

4,000mtpd
Urea

Granular Urea Plant
- Train 2:

4,000mtpd
Urea

Ammonia Section



Granulation Section



Salient Features

The Dangote Fertiliser complex consists of Ammonia and Urea plants with associated facilities and infrastructure to produce 3 MMTPA Urea.

The complex consists:

- 2 x 2,200 MTPD Ammonia Plants based on Halder Topsoe technology.
- 2 x 4,000 MTPD Melt Urea Plants based on Snamprogetti technology.
- 2 x 4,000 MTPD Urea Granulation Plants based on Uhde technology.
- A Captive Power plant comprising of 3 Steam turbine Generators of 40 MW capacity each totaling 120 MW.
- 3 Auxiliary boilers for 40 ATA steam generation of 200 TE capacity each.

“ A Captive Power plant comprising of 3 Steam Turbine Generators of 40 MW capacity each.
Total 120 MW ”

Compressor House



Steam Turbine Generator



Deaerator Section



High Standards & Quality Assured Safety, Backed by Advanced Technology

Safety remains our
highest priority.
To meet this standard,
we have established
a firm technical foundation
that is reflected in our
slogan.

"Power to Farmers"

Control Room



State-of-the-Art Technology

Our Granular Urea is produced with state-of-the-art technology under control of a highly skilled production team.

Dangote Fertiliser Plant





Dangote Agricultural Services (DAS)

Extension Services

Our aim is to enhance productivity in agriculture, because of its effective contribution to poverty reduction through better food security and higher farm income which can help to alleviate poverty.

- **Our Planned Activities:** Our priority is to support the farmers by rendering professional services, Crop advisory and soil testing services to their respective village/ towns to enhance the crop productivity in Agriculture
- **Farmer Meetings:** Group farmer meetings and individual farmer contact will be conducted on regular basis in each community to educate the farmer on good agronomic practices. Farmer meeting will help to build beneficiaries' capacities further through trainings.
- **Farmer Training:** Farmer Trainings will be organised in collaboration with Agricultural Scientists to train selected progressive farmers from each community. Eminent agricultural scientists will be invited as consultants/ specialists for the trainings. Songhai farm facility can be used for class-room and practical training purposes.
- **Demonstration Farm:** Demonstration farm will be the showcase for the best agronomic practices in the farm in line of "*Seeing is Believing*". Demonstrations will be conducted via Spot demo and Result demo. Spot demonstrations in small areas with impromptu selection by DAS team. Result demonstrations will be well-planned, starting from soil test to harvest results in presence of large number of farmers. Programmes will be organised at each demonstration.
- **Field Days:** Two field days (green and brown) will be organised on each successful demo farm by inviting neighbouring farmers and stakeholders to see the difference between green and brown field days.
- DAS Farmer Helpline in different popular languages like- Hausa, Yoruba and Pidgin English.

Soil Testing Services

- **Soil Test Services:** Adequate soil testing helps to know nutrient deficiency in order to recommend the right fertiliser dosage. Nutrient deficient soil cannot give potential yield, hence low returns on the invested agro inputs and poor farm income. Balance in fertiliser use will not only reduce the cost of fertiliser but also improve the yield and maximise the profit. Applying the right fertiliser to the soil will enable it yield maximum results.
- The goal of our soil testing is to provide an accurate assessment of the soil's fertility in order to recommend the right dose of fertiliser.
- Our efforts are to train farmers on good agronomic practices and provide them with soil testing services.
- We have established Mobile Soil Testing Lab (MSTL) and Soil Testing Labs to provide soil testing facility to farmers in remote villages also.
- Mobile Soil Testing Laboratory will collect the soil samples from the doorsteps of farmers and soil test results will be provided to farmers at no cost.

Mobile Soil Testing Laboratory



Soil Testing Laboratory



Soil Sample collection



Inside the Mobile Soil Testing Laboratory



ANGOTE
FERTILISER



UREA

NET WEIGHT
50kg

ANGOTE FERTILISER



Best value for money



Brand of "Trust"

Best yield

Big Promise

High Quality

DANGOTE
FERTILISER

UREA
N 46%+

POWER TO FARMERS

PROUDLY NIGERIAN

NET WEIGHT
50kg



Quality Fertiliser, High Yield



Community Engagement and Empowerment



Community Development Initiatives

Dangote Fertiliser Limited (DFL) is committed to holistic development of its host communities and local institutions, as such DFL executes comprehensive and robust community development initiatives in partnership with host communities. Some of these initiatives are also designed to mitigate project impact on these communities whilst also improving operational efficiency of DFL.

Additionally, DFL instituted a well thought out Grievance Management Process (GMP) to ensure that all project related grievances from host communities or stakeholders are effectively addressed. The GMP was communicated to communities during stakeholder engagement using local language to aid understanding.

In line with their Community Development Plan, DFL has executed some programmes to better position their communities for sustainable development. Some of these notable initiatives include -

Water, Sanitation & Hygiene (WASH) Initiative – Under this scheme, the Project has provided 14 functional boreholes to its host communities. They

have also gone one step further by undertaking quarterly lab tests to check for water potability.

Farmers Livelihood Support Programme: Dangote Fertiliser has implemented a livelihood support programme for farmers and Project Affected Persons (PAPs) impacted by the 53km gas pipeline constructed for the Fertiliser Project. The programme which targets 150 beneficiaries aims at building capacity of farmers in innovative farming techniques, distributing adapted cassava stem cells and providing technical support to farmers to ensure proper planting practices which ultimately results in increased farming yields. It will also build capacities of local entrepreneurs on SME management and the income generating potentials of cassava by-products.

Education Support Initiative: DFL embarked on this initiative to provide further support to improving educational systems in Ibeju-Lekki and Epe locality. The educational support initiative is a tripartite programme consisting of scholarship, capacity building for teachers and school infrastructure projects.

Community Development Initiatives (Cont'd)

Scholarship – Scholarship is regularly awarded to students whilst some financial support is consistently provided to their parents and guardians.

Capacity building for local teachers – Teachers, principals and school administrators have been trained in 21st Century teaching techniques.

School infrastructure support – This is designed to support local schools by renovating existing structures, building new schools, donating school furniture and equipment etc. This component of the education support initiative commenced in 2021.

Under this component of the CDP, the Project also constructed a block of 6 classrooms with restroom facilities and staff rooms. This was handed over at a formal ceremony in December 2020.

Youth Development: Local youth have been trained in vocational skills, such as plumbing, masonry, welding, iron bending, auto mechanics and electrical works. The first batch of the trainees graduated in September, 2020 and some of them have been engaged by Dangote Oil Refining Company. The 2nd batch also graduated in February 2021.

Institution Building: This is aimed at building the capacities of local institutions such as the Community Development Committee (CDC), Project Implementation Committee (PIC), local leaders, youth leaders etc. on various subject areas such as stakeholder engagement, advocacy, networking, conflict resolution and negotiation, presentation skills, influx and impact of influx etc.

Project Disclosure Meetings – On a biannual basis, the company undertakes a project disclosure meeting to inform the communities on project status, impacts and mitigation strategies. Input are also sought from community stakeholders at these meetings and this information is integrated into the mitigation strategy.

AMMONIA PLANT

Graduate Trained Engineers



Job Creation

As Dangote Fertiliser Company rolls out its products, this process will change the lives of Nigerians and others forever.

In the course of its construction, the complex provided about 5,000 direct and indirect jobs in all categories; an additional 5,000 jobs within the community and also created 500 permanent jobs.

“
5,000
direct and indirect jobs
in all categories
”

Dangote Jetty Ibeju-Lekki.













Foreign Exchange Savings

Dangote Fertiliser will help Nigeria to retain \$125 million in import substitution and provide \$625 million from exports of products from the fertiliser plant.

“ Save **\$125** million
import
Provide **\$625** million
export ”

Per Hectare Fertiliser Consumption in African Countries



	Egypt	547
	Mauritius	357
	South Africa	63
	Morocco	58
	Zambia	52
	Kenya	45
	Ethiopia	36
	Zimbabwe	33
	Côte d'Ivoire	30
	Nigeria	20

Fertiliser usage (kg/ha) among selected countries in 2018 **Sources:** FAO & IFA

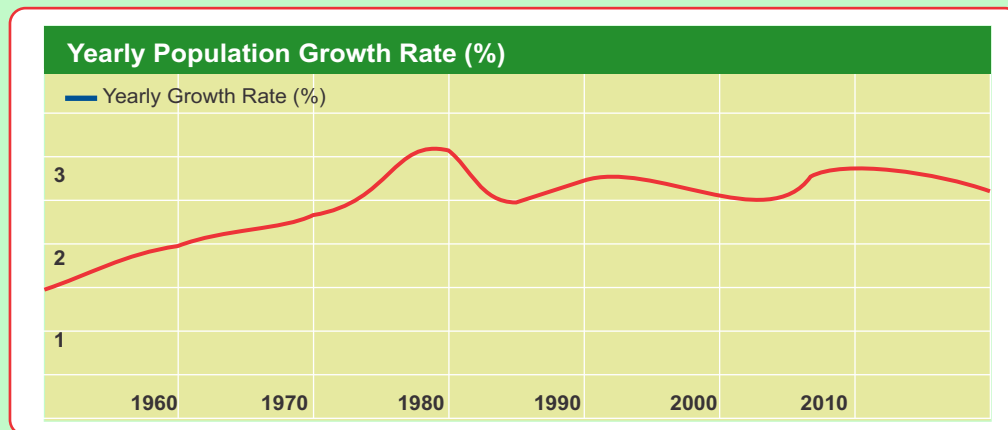
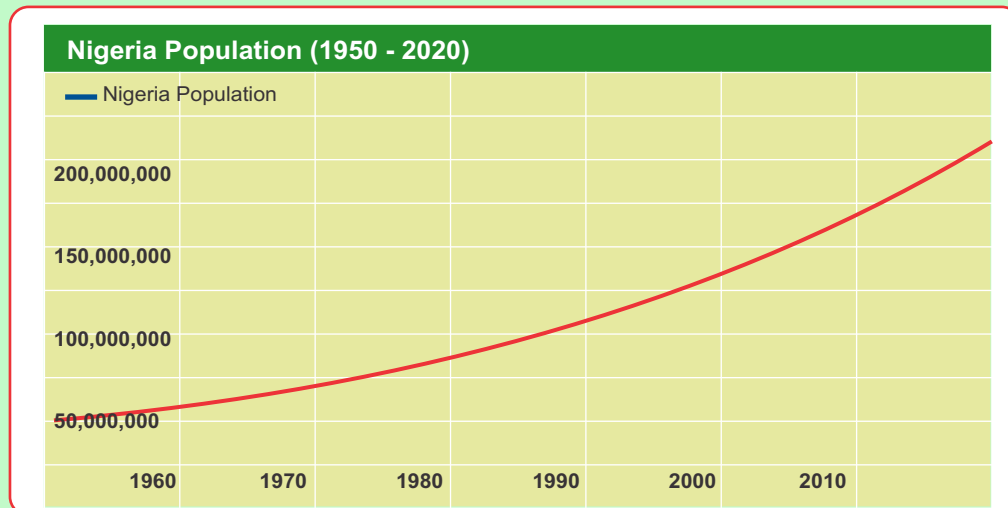
Nigeria's Fertiliser Requirements

- Africa is expected to have the highest growth rate in fertiliser demand in the medium term, given the large expanse of arable land and great agricultural growth potential in the decade to come.
- Current consumption of Urea in Nigeria is 1 million tonnes per annum.
- The country has very low per hectare usage of fertiliser leading to very poor crop yield.
- Target of 50 kg Fertiliser consumption per hectare in SSA countries- Currently Nigeria is close to 20 kg / hectare only. So there is huge scope to reach 50 kg target although it is far below the world average of 140 kg per hectare.
- By 2030, Nigeria's population is expected to hit over 262 million which would lead to huge increase in food consumption.
- Estimates point out that around 5 million tonnes of fertiliser are required per year in Nigeria in the next five to seven years bifurcated into 3.5 million tonnes of Urea and 1.5 million tonnes of NPK.

“
Current consumption
of Urea in Nigeria is
1 million
tonnes per annum
”

Fertiliser Requirement to feed growing Nigerian Population

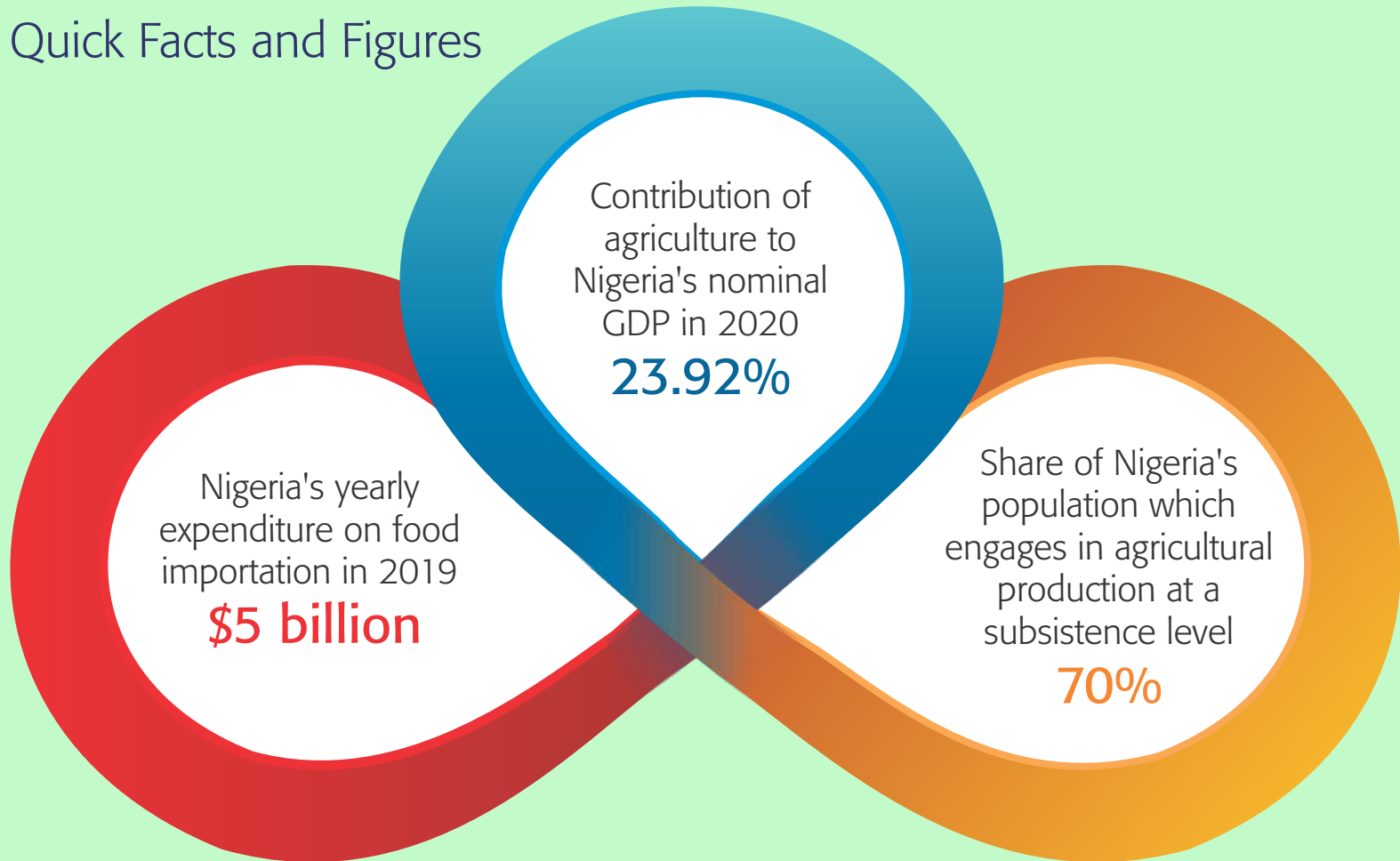
With the Nigerian population projected to rise to 262 million by 2030 and 398 million by 2050, little wonder the Dangote Industries Limited, as a true leader in the Nigerian business space, seized the initiative to actualise a vision where Nigeria will be self-sufficient in catering for its own food consumption.



<https://www.worldometers.info/world-population/nigeria-population/>

Agriculture in Nigeria

Quick Facts and Figures



Sources: NBS 2020 Report; Statistics.com; & FMARD 2020

Dangote Industries Limited

As a Group, we recognise the perceived difficulty of doing business in Nigeria, and across Africa, especially in the manufacturing sector. But we also believe that the potential for growth in Africa and the opportunities available in value added manufacturing remain attractive, despite the obstacles.

We also believe the future growth of African economies will be built on the ability of the continent to harness the value of its resources internally and to supply our vast and fast growing consumer population with the goods and services they rely on. We aim to supply their 'basic needs.'

Our Business Units include Dangote Cement PLC, Dangote Sugar Refinery PLC, NASCON Allied Industries PLC, Dangote Rice Limited, Dangote Academy, Dangote Oil Refinery Company Limited, Dangote Fertiliser Limited, Dangote Packaging Limited, Dangote Ports Operations, Dangote Transport Limited, Dangote Projects, Dangote Steel, Aliko Dangote Foundation and Dangote Construction Limited.

Our subsidiary, Dangote Cement is Africa's leading

cement producer with nearly 48.6mmtpa capacity across Africa. A fully integrated quarry-to-customer producer, we have a production capacity of 32.3mmtpa in our home market, Nigeria. It is on the strength of this that we export cement to ECOWAS countries. We have eliminated Nigeria's dependence on imported cement and transformed the nation into an exporter of cement.

In the energy sector, we are seeking to help the country create more efficient industrial and energy infrastructures, via strategic investments in upstream and downstream oil sector. We are building the single largest Refinery, Petrochemical and Fertiliser Complex in Africa. The Refinery has the capacity to refine 650,000 barrels of crude oil per day while the Petrochemical Plant will produce 650,000 metric tonnes per year (MTPY) of Polypropylene. The Fertiliser project will produce 3 million metric tonnes per annum (MMTPA) of Urea.




CONTACT:

Corporate Head Office:

Marble House
1 Alfred Rewane Road,
PMB 40032, Falomo Ikoyi,
Lagos, Nigeria

   @DangoteGroup

 www.dangote.com

Plant Address

Dangote Free Trade Zone
Km 15, Lekki Coastal Road, Okunraye
Ibeju-Lekki, Lagos, Nigeria

Sales and Marketing:

Customer Care +234 905 709 1300
Sales Enquires +234 905 709 1200

distributor@dangotefertilizer.com
customercare@dangotefertilizer.com