

# AGRI-NUTRIENTS

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# SABIC AT A GLANCE

We and our customers are working together to create a better future. Whether it's cutting weight to save pollution or developing materials to help bring water to remote communities, the ingenuity, innovation and sheer dedication of our people are changing things for the better.

## AGRI-NUTRIENTS

SABIC's supplies to customers throughout the Middle East, Asia, Africa and the Americas help meet the world's ever-growing need for food.



## SCIENTISTS

1,400+

## PETROCHEMICALS

SABIC makes the essential chemical building blocks for materials used in everything from packaging to healthcare to household goods.

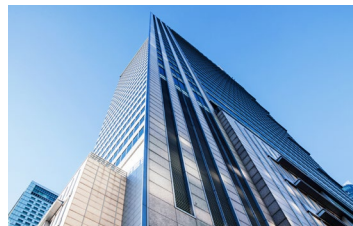


## EMPLOYEES

34,000+

## SPECIALTIES

SABIC produces a wide range of specialty materials, from engineering thermoplastic resins to additive manufacturing solutions.



## METALS

SABIC's high quality metals have been key to the construction and industrialization of some of the world's fastest growing economies.



## KEY GEOGRAPHIES WITH INNOVATION HUBS

5

## NET INCOME

\$4.9bn

## ASSETS

\$86bn

## PATENT PORTFOLIO FILINGS

11,534



## COUNTRIES

50

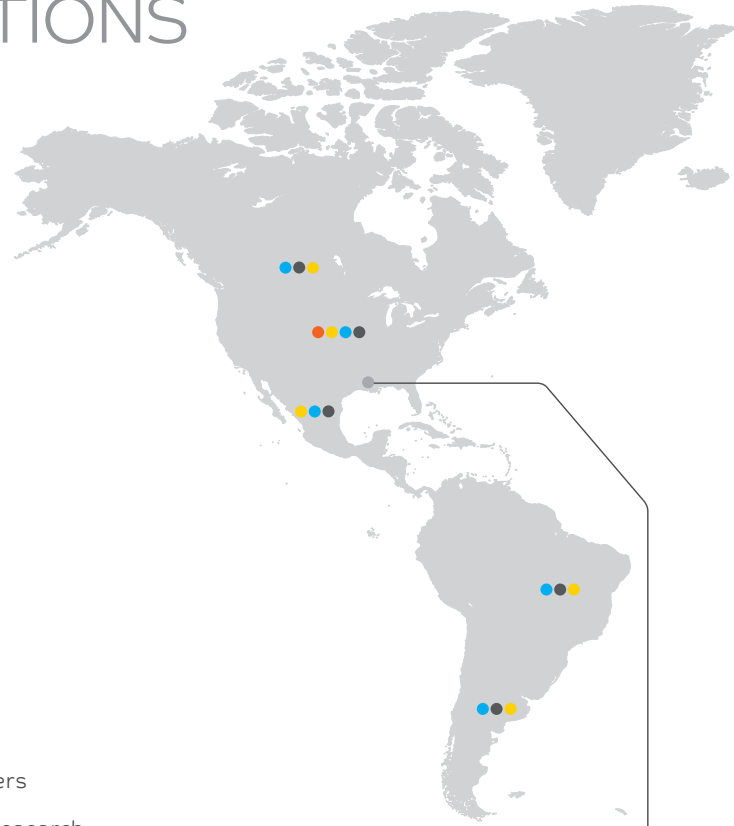
## PRODUCTION

71.2m tons

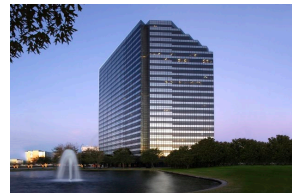
## SALES

\$39.9bn

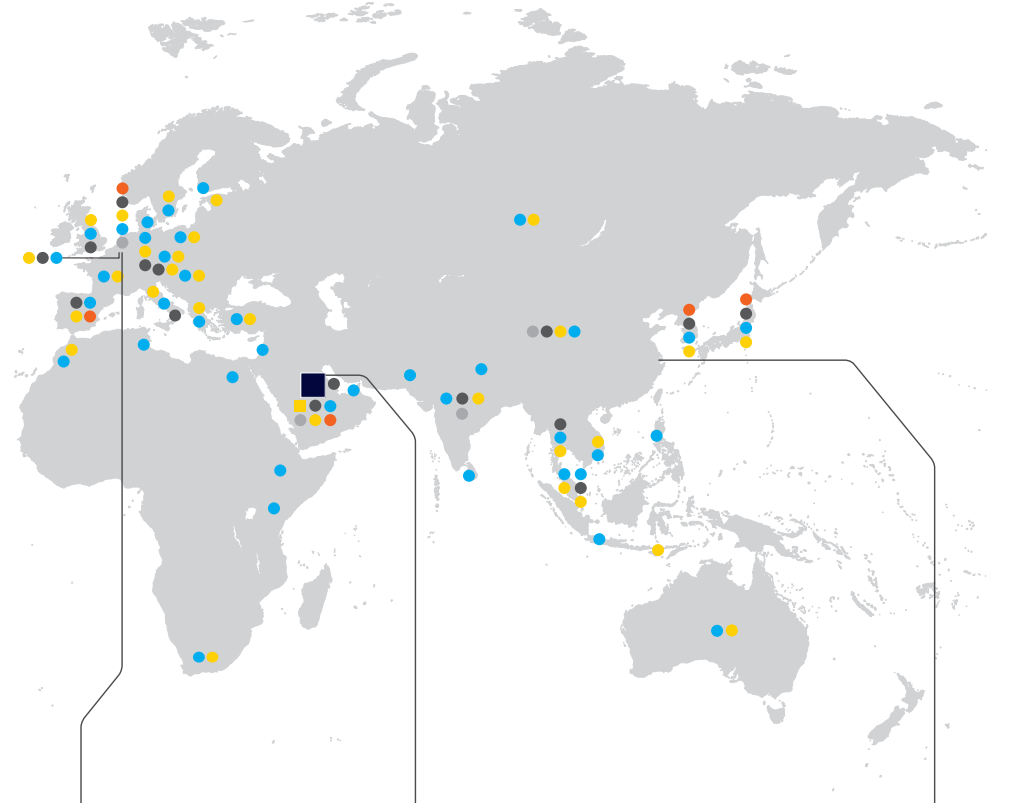
# OUR GLOBAL OPERATIONS



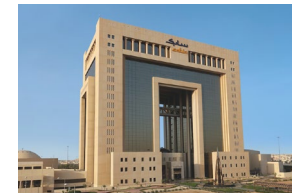
- Global Headquarters
- SABIC Corporate Research and Innovation Center
- Technology Centers
- Application Centers
- Distribution, Storage Facilities and Logistical Hubs
- International Subsidiaries and Sales Offices
- Manufacturing and Compounding Companies



**AMERICAS**  
Houston, Texas, USA



**EUROPE**  
Sittard, The Netherlands



**MIDDLE EAST AND AFRICA**  
Riyadh, Saudi Arabia  
(Global Headquarters)



**ASIA PACIFIC**  
Shanghai, China



# STRATEGIC INDUSTRIES WE SERVE



## AGRI-NUTRIENTS

Our portfolio of high quality agri-nutrients play a vital role in helping to secure adequate global food supply and make it possible to produce more food from less land.



## CLEAN ENERGY

SABIC's specialty and polymer products can help create sustainable renewable-energy solutions for the future.



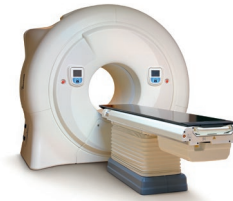
## ELECTRICAL & ELECTRONICS

Manufacturers need to make products in a cost-effective manner, yet meet consumers' expectations for style, ease of use and sustainability. Our materials are the foundation for the next generation of electronic devices.



## CONSTRUCTION

We provide products to architects and builders who seek solutions to satisfy public demand for environmentally responsible structures while providing design freedom.



## MEDICAL DEVICES

We help customers successfully address the challenges facing the industry by providing advanced technologies, a broad product portfolio, and a healthcare policy.



## PACKAGING

SABIC polymers seek to help food and drink producers meet their goals while still providing sustainable benefits like lightweighting and environmentally-focused initiatives.



## TRANSPORTATION

Automobiles, aircraft, rail interiors, heavy-duty trucks and other vehicles require new approaches to meet ever-rising requirements. We put our material, design and technical expertise to work to help OEMs meet this challenge and drive innovation to new levels.

# AGRI-NUTRIENTS: BUSINESS OVERVIEW



SABIC is a leading global agri-nutrients producer. Over the years, we have built our capabilities to serve high quality solutions to our customers, helping them reduce their environment footprint. We produce a wide-ranging portfolio of agri-nutrients such as urea, ammonia, phosphate and specialized solutions. Securing the food supplies for a hungry world is a major challenge, and through our agri-nutrients production, we are seeking to play a vital role in making sure good, nutritious food reaches the world's tables. We'll be ready to help meet these demands, and the SABIC brand will remain a symbol of quality, now and in the future.

PRODUCT	QUANTITY KMT
Urea	5000
Ammonia	3,400
DAP & MAP	1500
NPK / NPS / UCS	900

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We will relentlessly pursue operational excellence, maintain our efforts to develop new sustainable products, and continue to seek growth opportunities globally to serve our customers and meet ever-growing demand.

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# UREA (N 46%)

Urea is the most popular and economical of the nitrogen fertilizers. It has a higher concentration of nitrogen than any other solid fertilizer – 46%. Urea is very versatile, ideal for use in a wide range of environmental conditions on crops including wheat, barley, rice and maize. It can either be sprayed or used for fertigation and is normally applied at least three times during the growing season.





# DAP

DARK (18.46)

Light (18.46)

MAP (11.52)

MAP (10.50)

Phosphate Fertilizer, ammonia in combination with phosphoric acid makes phosphate fertilizer products. SABIC produces diammonium phosphate (DAP), needed for growing wheat, barley and vegetables, and is also applied in the early stages of fruit orchard fertilization. We also produce monoammonium phosphate (MAP) which is often used to help farm clover wheat and barley, especially in sandy soil.



# GRANULAR NPK

## NPK 16-8-16+15S (DATE PALM)

Date Palm grade has been developed internally by SABIC after extensive research specifically for Middle East date palm trees to provide a solution for farmers. The balanced levels of primary and secondary nutrients provide Date Palm tree with its needs during the whole year to have a healthy growth and good harvest.

## NPK 11-29-19+6S (TUBER)

11-29-19+6S NPK grade is mainly used for tuber crops and other fruits which include potatoes, onions, watermelon. 11-29-19+6S provides one solution for farmers providing balanced primary and secondary nutrients to the plant. That promotes healthy grow, good yield.

## NPK 18-18-5+9S (VEGETABLES)

18-18-5+9S grade is used on a wide range of vegetables and green landscapes. 18-18-5+9S is a balanced fertilizer promoting homogeneity of primary and secondary nutrients in one granular providing the needs of the plant during the whole seasons to have a healthy growth and good harvest.



## NPS 16-20-0+13S

A balanced fertilizer of primary nutrients such as nitrogen and phosphorus with the addition of secondary macronutrients (sulfur) for soils deficient in sulfur. The grade is generic and can be used on many crops such as maize, rice, wheat and other crops. The use of this grade is predominant in SEA.

## NPS 20-20-0+13S

A balanced fertilizer of primary nutrients such as nitrogen and phosphorus with the addition of secondary macronutrients (sulfur) for soils deficient in sulfur. The grade is generic and can be used on many crops such as maize, rice, wheat and other crops. The use of this grade predominates in India, Brazil, Turkey and other markets.

## NPS 19-38-0+13S

A balanced fertilizer of primary nutrients such as nitrogen and phosphorus with the addition of secondary macronutrients (sulfur) for soils deficient in sulfur. The grade is generic, originally made for the Ethiopian market and can be used on many crops such as maize, rice and wheat. The use of this grade is predominant in Ethiopia and demand is growing in other countries.

# TECHNICAL GRADE UREA

SABIC produces a specific grade of urea, Technical Grade Urea (TGU), that's allowing diesel engines to run more efficiently and reduces hazardous emissions. Technical grade urea is produced at SABIC's manufacturing affiliate, (Al-Bayroni) in Jubail, with a capacity of 80,000 tons per year. SABIC TGU is produced in pastilles using the energy-saving Rotoformer technology, which gives the product superior physical and mechanical properties. TGU is for SCR applications in heavy-duty trucks, passenger cars, stationaries, non-road machineries, and marines.



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