

# OCP – a key player at the centre of the just agricultural transition in Africa

“The world’s growing population needs more food. OCP’s work with African farmers is radically increasing their productivity and doing so in a way that is positive for the climate. We are committed to helping Africa fulfil its potential as an agricultural powerhouse.”

**Mostafa Terrab**  
Chairman and  
Chief Executive Officer



OCP is the custodian of 70% of the world’s phosphate, an essential nutrient for healthy crops and soils.

Headquartered in Morocco, OCP is the world’s largest producer of phosphate fertilizers and plant nutrition solutions.

## Global pressures

With a world population set to approach 10 billion people by 2050, there is a global challenge of how we increase food supply at the same time as adapting to and mitigating climate change. Africa is uniquely positioned to be at the heart of the solution for these challenges.

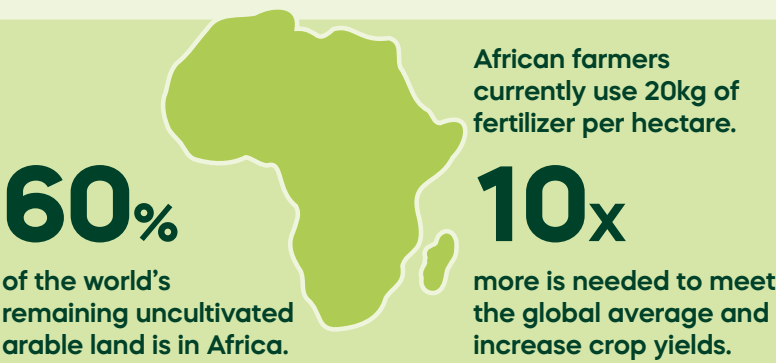
To feed the global population by 2050, we need to:

increase food production by up to <sup>1</sup>

~60%

increase crop yields by <sup>2</sup>

35%



## Africa’s potential

Africa is set to import \$110bn of food by 2025 and has the highest potential to increase yields of any continent. With the right investment in production capacity and training support for farmers, Africa will stand at the heart of the solution to food security.

Science-based precision agriculture will enable Africa to feed the world while combatting climate change.

## A science-led approach will boost crop yields, minimizing the need for cropland expansion

Sustainable agriculture, through customized fertilizers and adapted practices (such as “4R” nutrient stewardship – applying the right fertilizer, at the right rate, right place and right time) can increase yields, minimize costs to the farmers and reduce environmental footprint.

The use of OCP’s customized fertilizers is already achieving significant results:

**+25%** yield increase for maize in Tanzania

**+35%** yield increase for rice in Ghana

**+113%** yield increase for teff in Ethiopia

OCP, through sustainable agriculture, is pioneering digital and technology solutions and farming techniques that are both climate friendly and highly productive:

**Soil mapping**  
To date, we have mapped over 50 million hectares of soil across Africa.

**Customized solutions**  
Drawing on soil analysis data, we create fertilizers that are tailored for soil type, nutrient deficiencies, crop needs and local climates. This is complemented by adapted practices (such as separate management of nutrients) for efficient nutrient management.

**R&D**  
OCP is leading the sector, dedicating 2.5% of revenues to R&D, developing an ecosystem of research centres and training programmes.

## The transition to climate positive agriculture is rooted in our soils

Soils store 2-3x more carbon than the atmosphere and healthy soils are able to sequester large amounts of carbon. This can help mitigate climate change and make high-yield climate positive and resilient agriculture a reality.

OCP is leading on tailored, sustainable solutions to benefit farmers and the soil

**Phosphate and healthy crops**  
Phosphate is essential to life, however 46% of global soils are deficient in the nutrient, particularly tropical soils. The nutrient plays a vital role in promoting strong root growth which is important for plant development and sequestration of carbon in soil.

**Farmer-centric approach**  
OCP is establishing 340 farmer hubs across Africa to provide the training, tools and inputs needed to farm more sustainably and to look after the soil.

**Educating the future of Africa**  
Through our UM6P partnership and ecosystem investments, we invest in cutting-edge soil health research and education to support the agricultural transformation in Africa.

### Agriculture’s role in combatting climate change

Healthy soils, as a result of sustainable agriculture practices, have the potential to absorb more carbon than is currently emitted each year.

**12.04 GT** sustainable cropping

**43.04 GT** sustainable grazing

**37.12 GT** total global emissions in 2021

## Achieving systemic change requires collaboration

OCP is working with partners to invest in cutting-edge soil health science, tech innovation and financial solutions to develop the tools and incentives for farmers to transition to climate positive and resilient agriculture.



1 – The World Resource Institute, Creating a sustainable food future report.  
2 – FAO. 2018. The future of food and agriculture – Alternative pathways to 2050.