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## World class integrated phosphate producer

- #1 global producer of high-grade phosphate rock ( $P_2O_5 > 35.7\%$ ) with 8.1 mln t capacity
- #2 global DAP/MAP producer<sup>(1)</sup> with 3.5 mln t capacity
- Leading European producer of MCP feed phosphate and the only one in Russia

## Control of large high quality apatite-nepheline resources

- 2.1 bln t of apatite-nepheline ore resources<sup>(2)</sup> (over 75 years of production)
- $Al_2O_3$  resource of 283 mln t
- Substantial resources of gallium oxide,  $TiO_2$  and rare earth oxides (41% of Russian resources and 96% of the currently developed<sup>(3)</sup>)

## Self-sufficiency in key feedstocks provides for low costs

- First quartile cash cost of production globally
- 100% self-sufficient in phosphate rock and 94% in ammonia
- Local low-cost supplies of sulphur and potash

## Strong position in prime agricultural markets

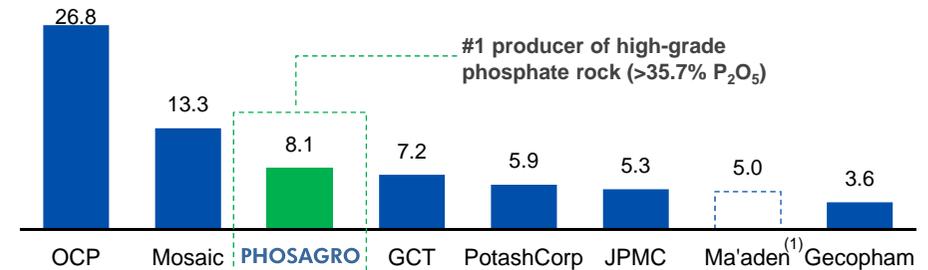
- Established presence through traders in India, Brazil and Europe
- Top-3 exporter of DAP/MAP globally
- Leader in the fast-growing Russian market

## Strong financial performance

- EBITDA of \$674 mn and \$620 mn in 2010 and H1 2011, respectively
- Net debt/EBITDA: < 1.0x

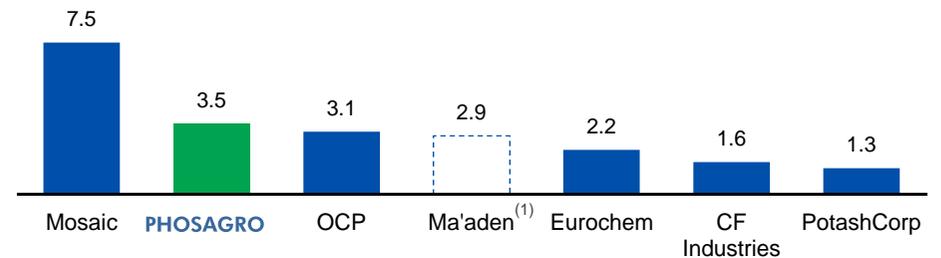
## Leading global phosphate rock producers

2010, mln t, excluding Chinese producers



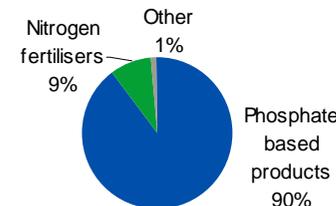
## Leading global DAP/MAP producers (by capacity)

2010, mln t, excluding Chinese producers

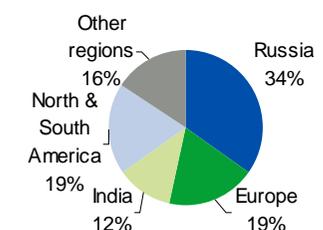


## 2010 Sales Breakdown

### By segment



### By geography



**2010 Sales: \$2,534 mln**

Note: (1) Excluding Chinese producers  
 (2) IMC mineral expert's report (JORC)  
 (3) Russian Academy of Science  
 Source: FERTECON, IMC, PhosAgro

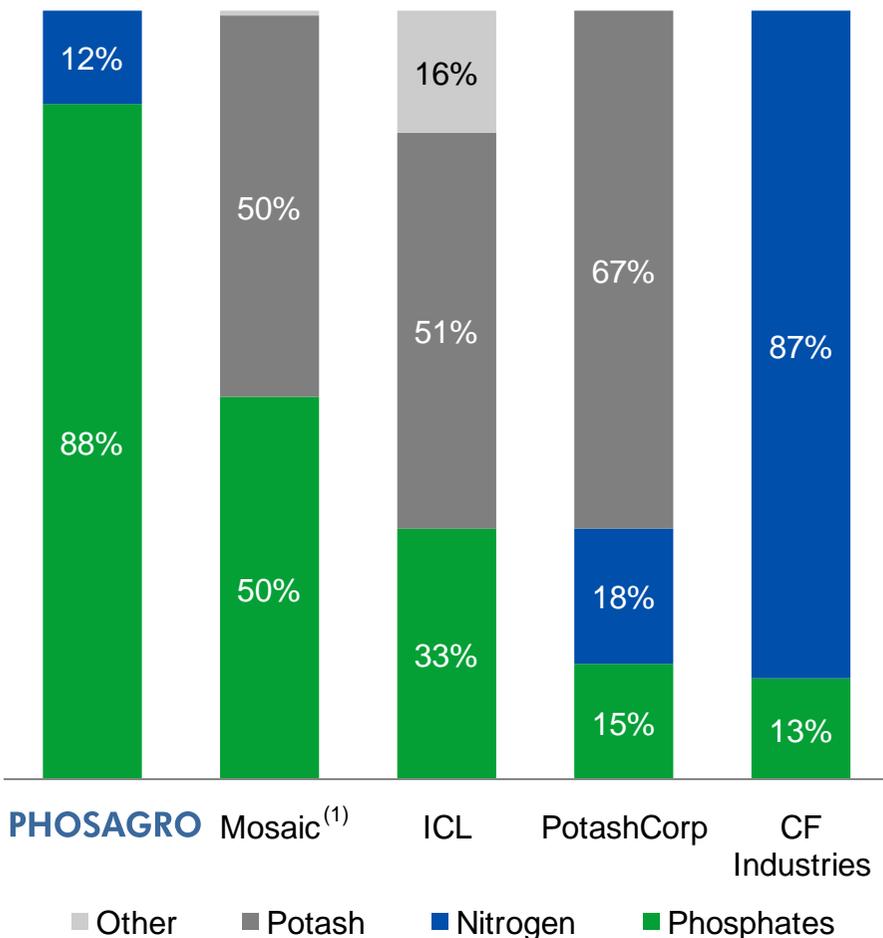
Note: (1) Ma'aden first stage at full capacity  
 Source: FERTECON, companies' data



# The only pure play phosphates producer and best-in-class profitability

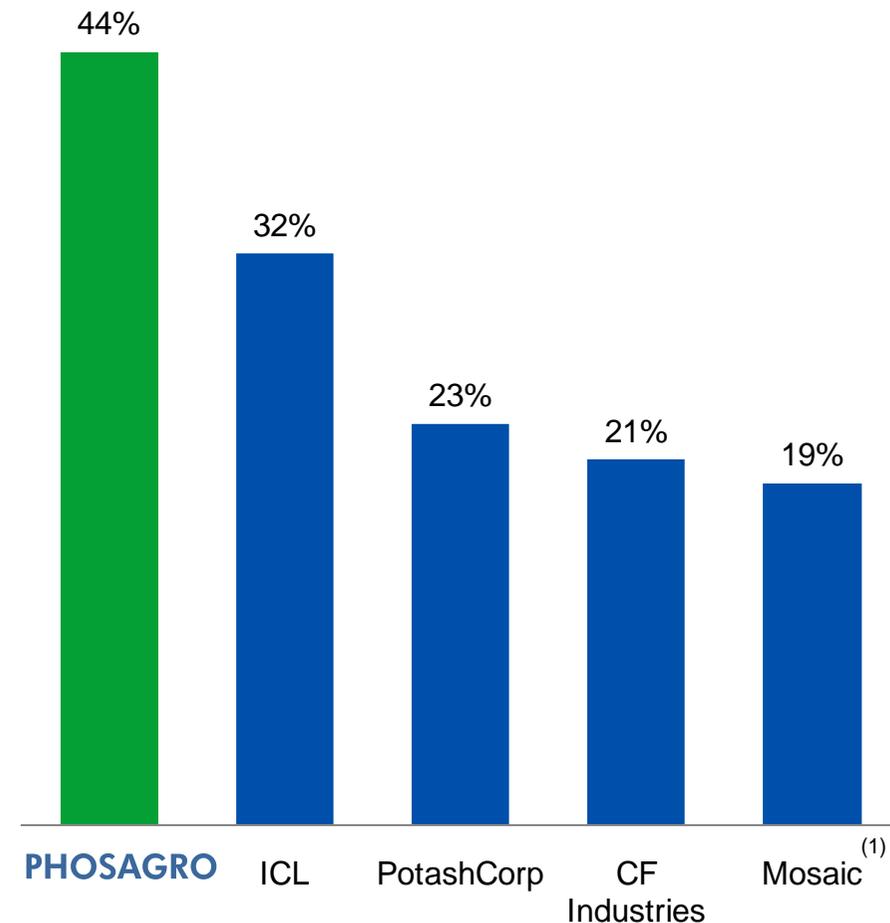
## Gross profit breakdown by segment

Average gross profit breakdown by segment for 2008-2010



## Phosphate segment gross profit margin

Average gross profit margin of phosphate segment for 2008-2010



Source: Company reports  
Note: (1) Calendarised

Source: Company reports  
Note: (1) Calendarised

# 1. Phosphates – an attractive industry



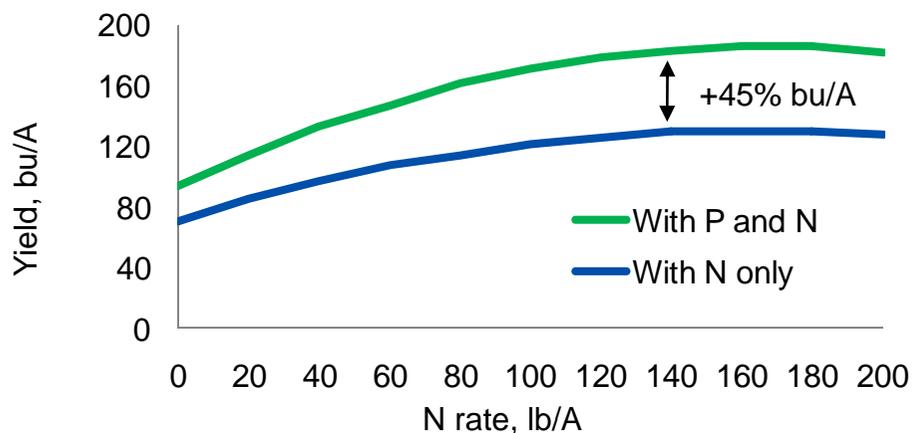
Fertilisers – 85%<sup>(1)</sup>



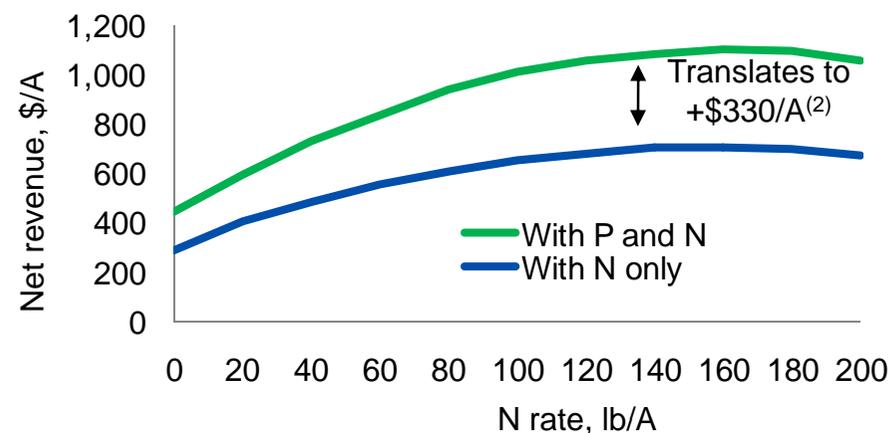
Without phosphate fertilisers

With phosphate fertilisers

Effect of phosphate and nitrogen fertilisers on corn yield



Effect of phosphate and nitrogen fertilisers on net farmer revenue



Source: Fertecon, International Plant Nutrition Institute  
 Note: (1) as percentage of total phosphorus consumption  
 (2) as corn price of US\$ 6/bu

## Technical Phosphates – 9%<sup>(1)</sup>

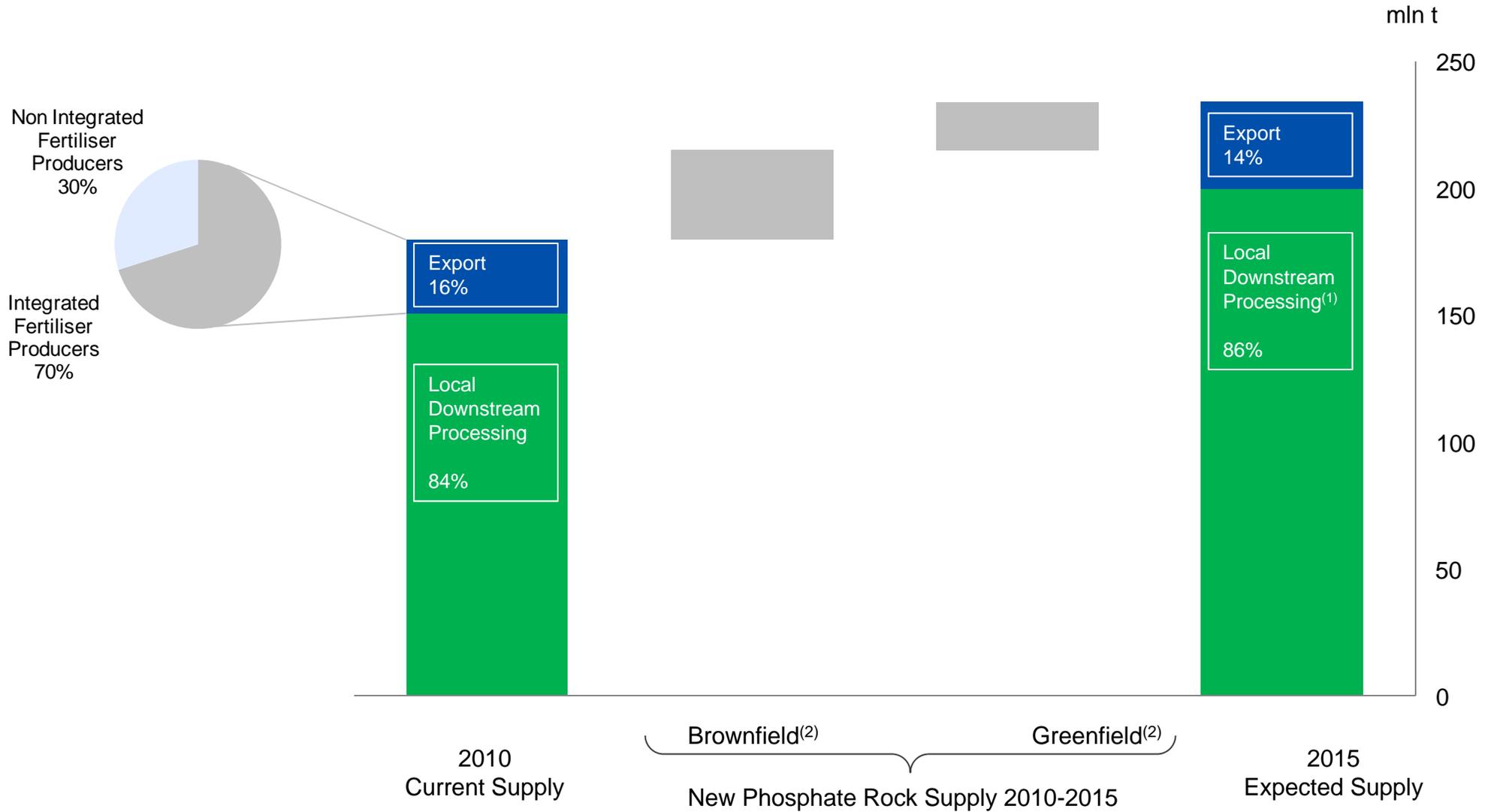


- Synthetic detergents
- Metal treatment
- Water treatment
- Lithium phosphate for hybrid and electric vehicle batteries
- Personal care products
- Cheese
- Processed meat
- Soft drinks

## Animal Feed – 6%<sup>(1)</sup>



# Potential Phosphate Rock Supply in 2010-2015



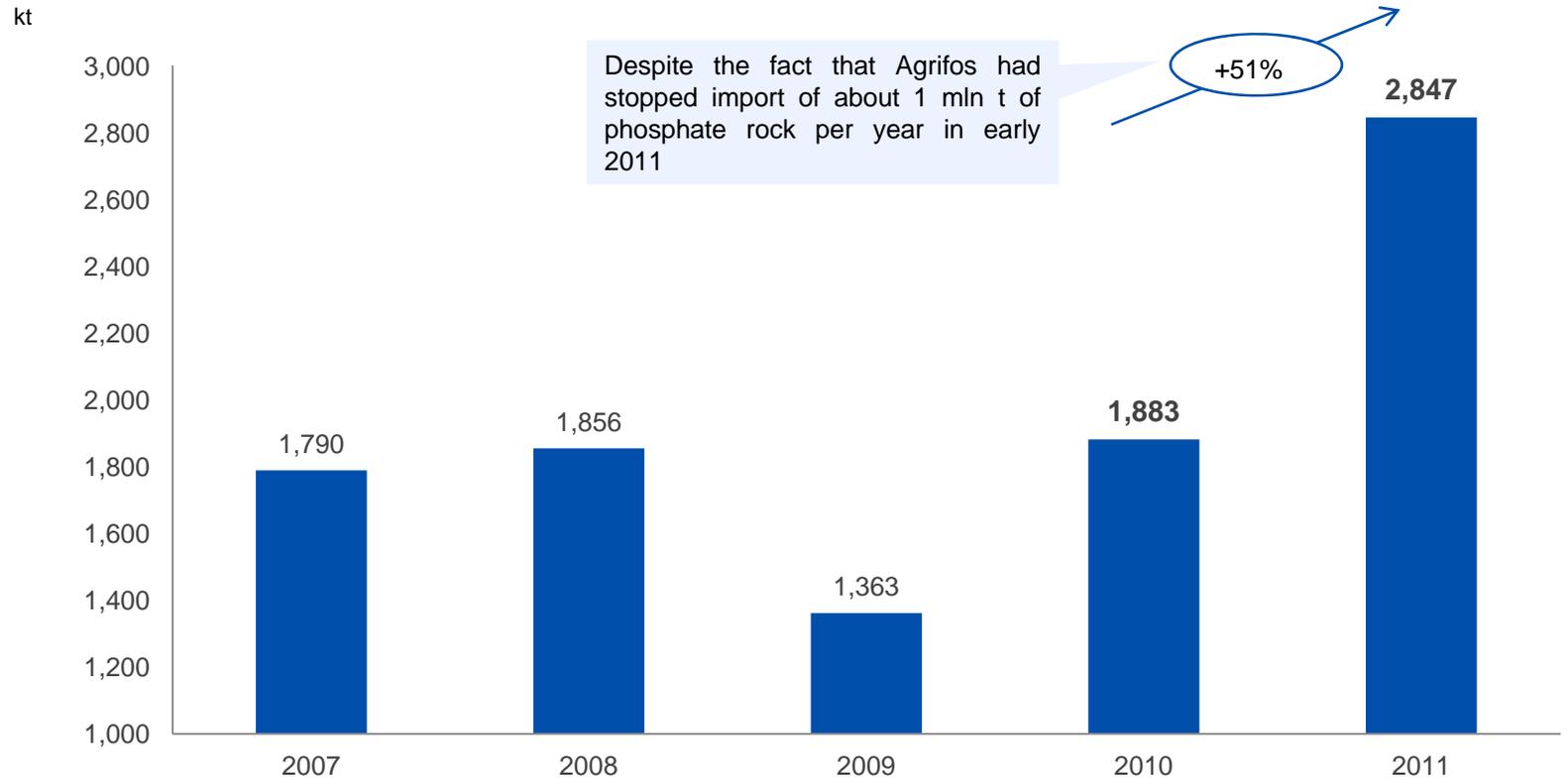
Source: IFA, Fertecon, PhosAgro

Note: (1) Estimate

(2) Assuming that declared projects will commission without delays and will operate at full capacities

# Growth in US Phosphate Rock Imports

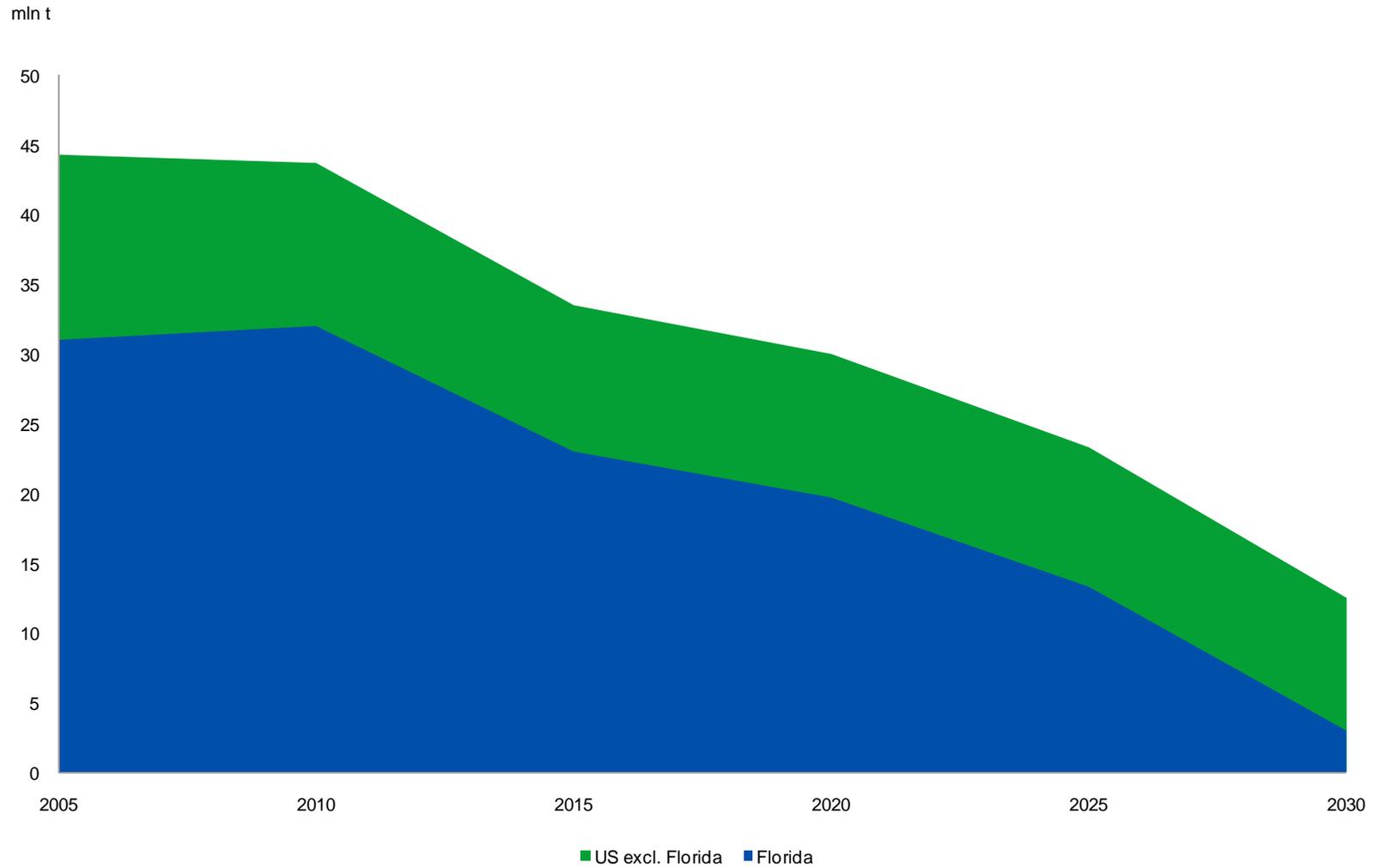
## US phosphate rock imports



### Import drivers

- Mosaic has increased phosphate rock imports as result of the decrease of its own mining at South Fort Meade
- Agrium has entered into contract with OCP to purchase phosphate rock as their own economic rock reserves are depleted

# Current and projected US mine phosphate production capacity

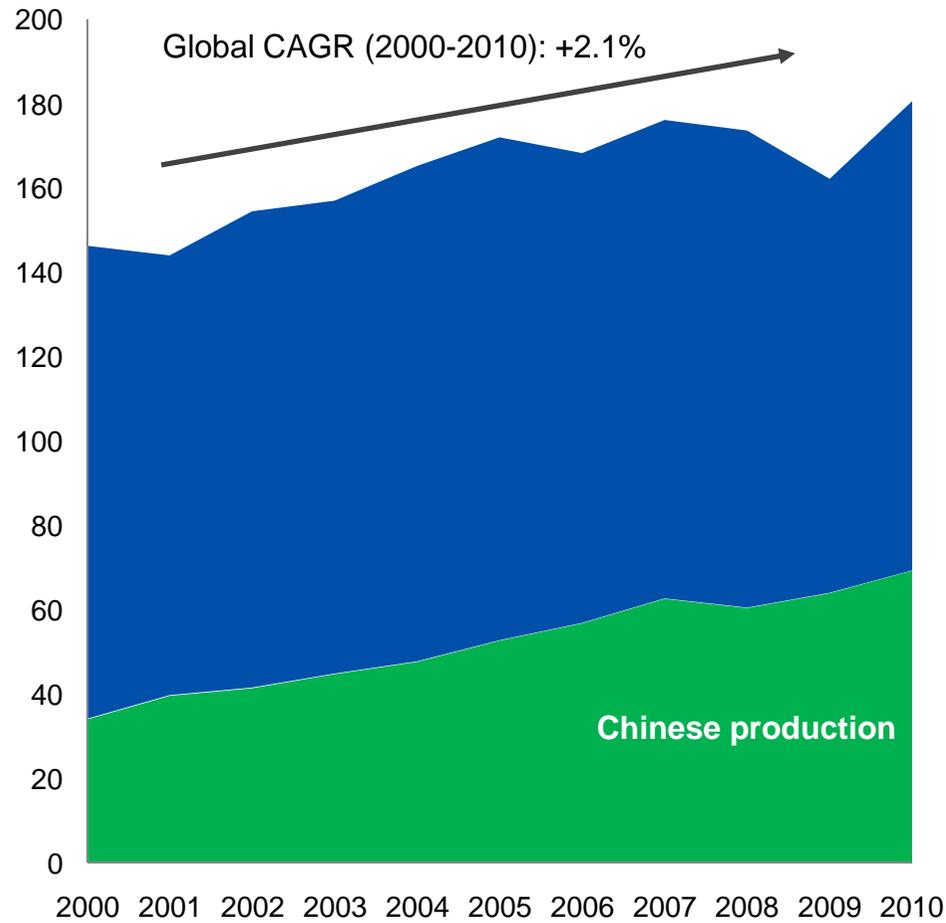


Source: IFDC (World Phosphate Rock Reserves and Resources, 2011)

# Stagnating production of phosphates

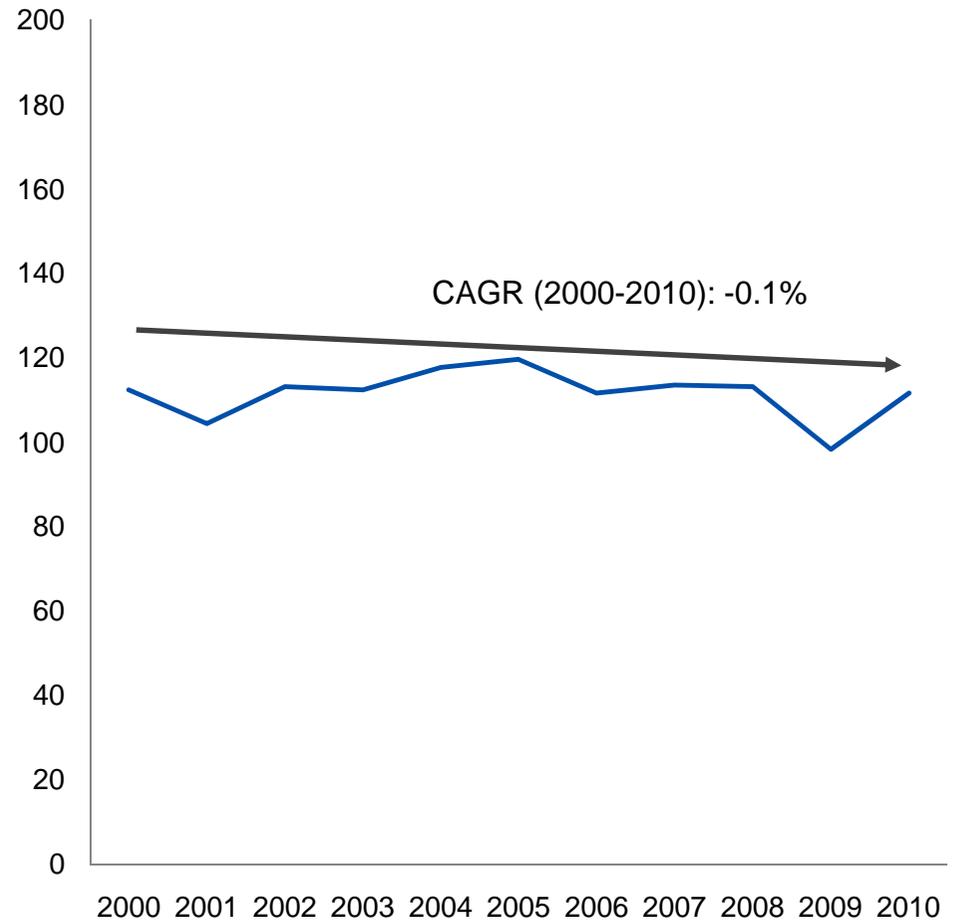
**Global phosphate rock production is mainly driven by China ...**

Mln tonnes product



**... with stagnating production in the rest of the world**

Mln tonnes product

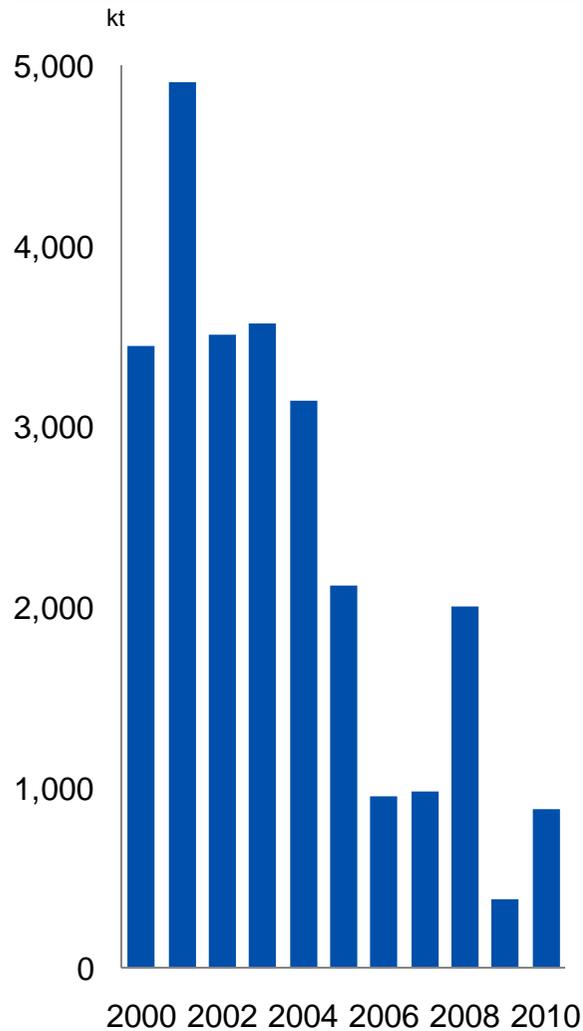


Source: IFA, Fertecon

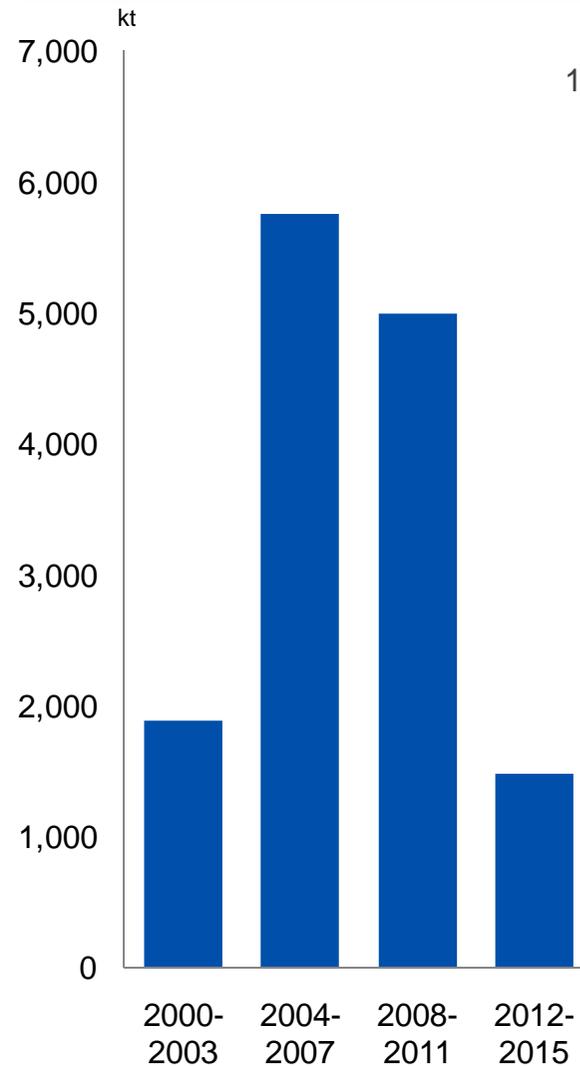
Source: IFA, Fertecon

# Development of Chinese phosphate exports

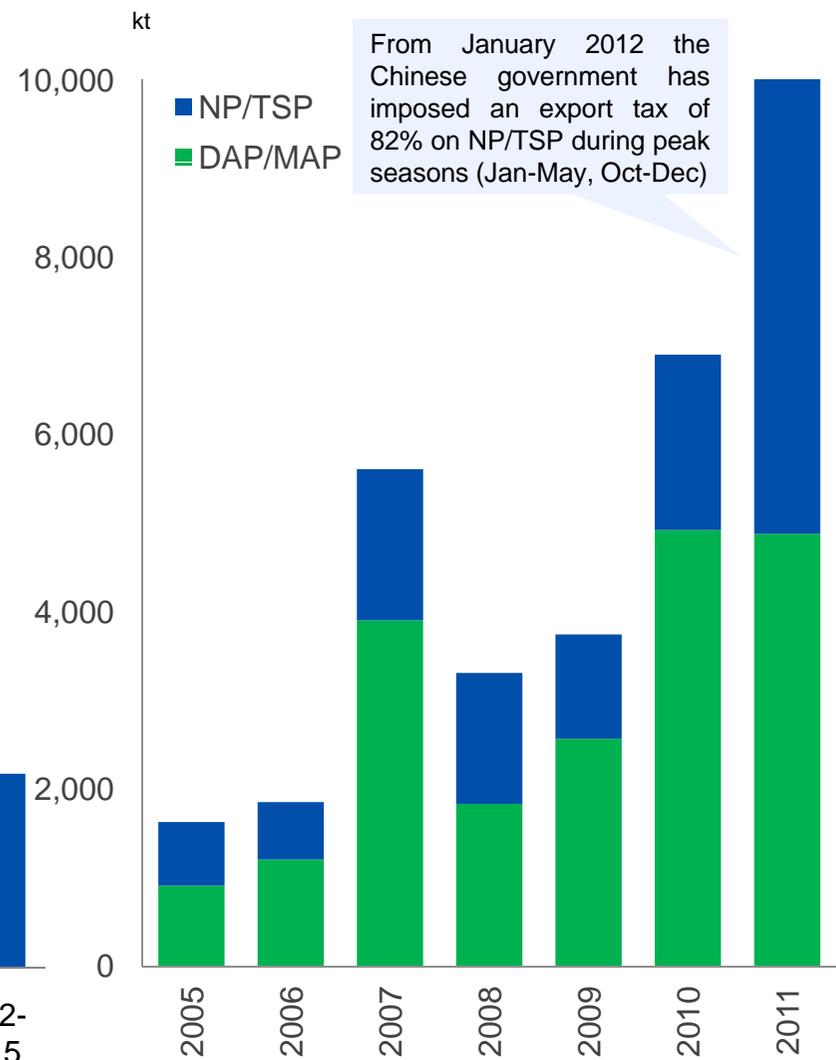
Chinese phosphate rock exports



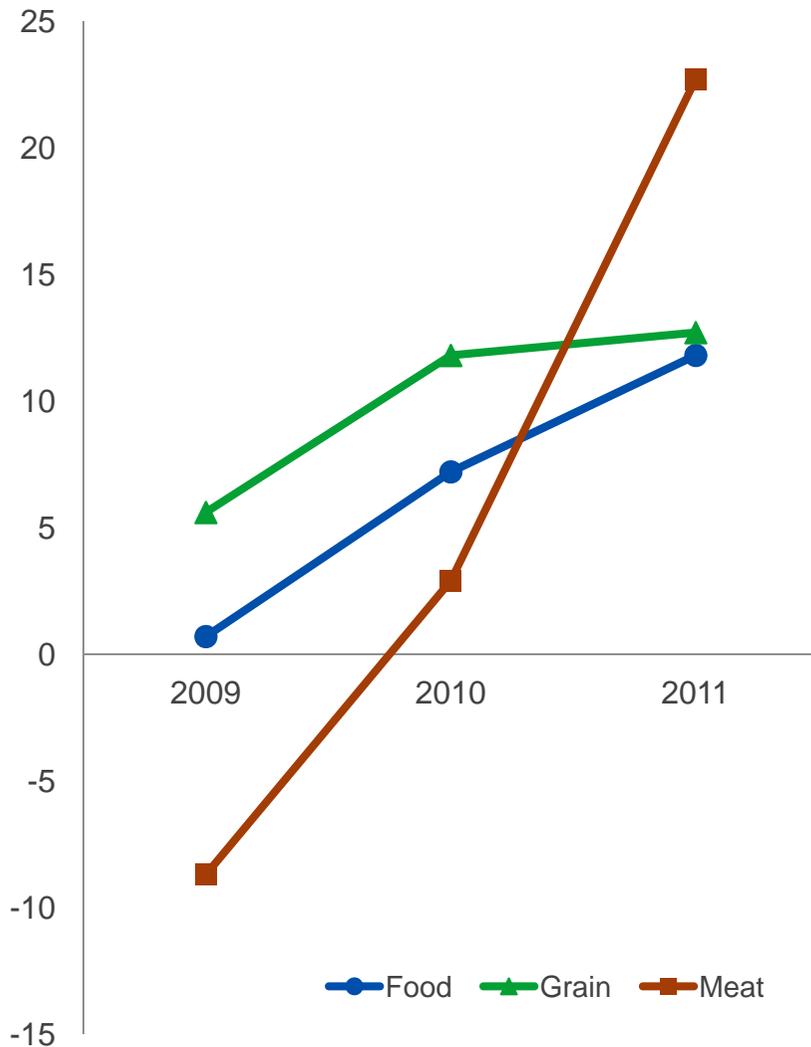
Commissioning of new H<sub>3</sub>PO<sub>4</sub> capacities



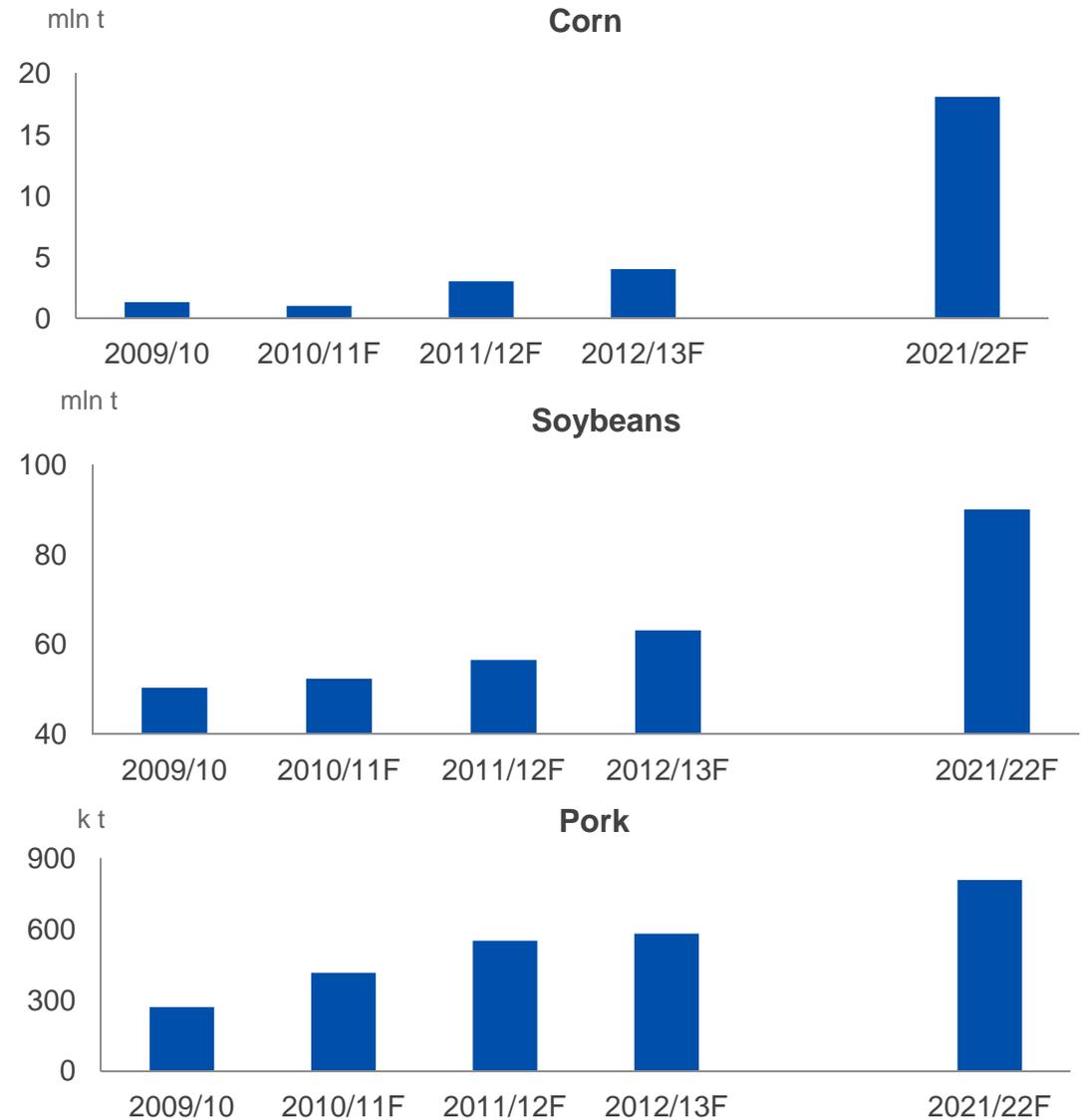
Chinese exports of DAP / MAP / NP / TSP



### Consumer Price Indices in China, %



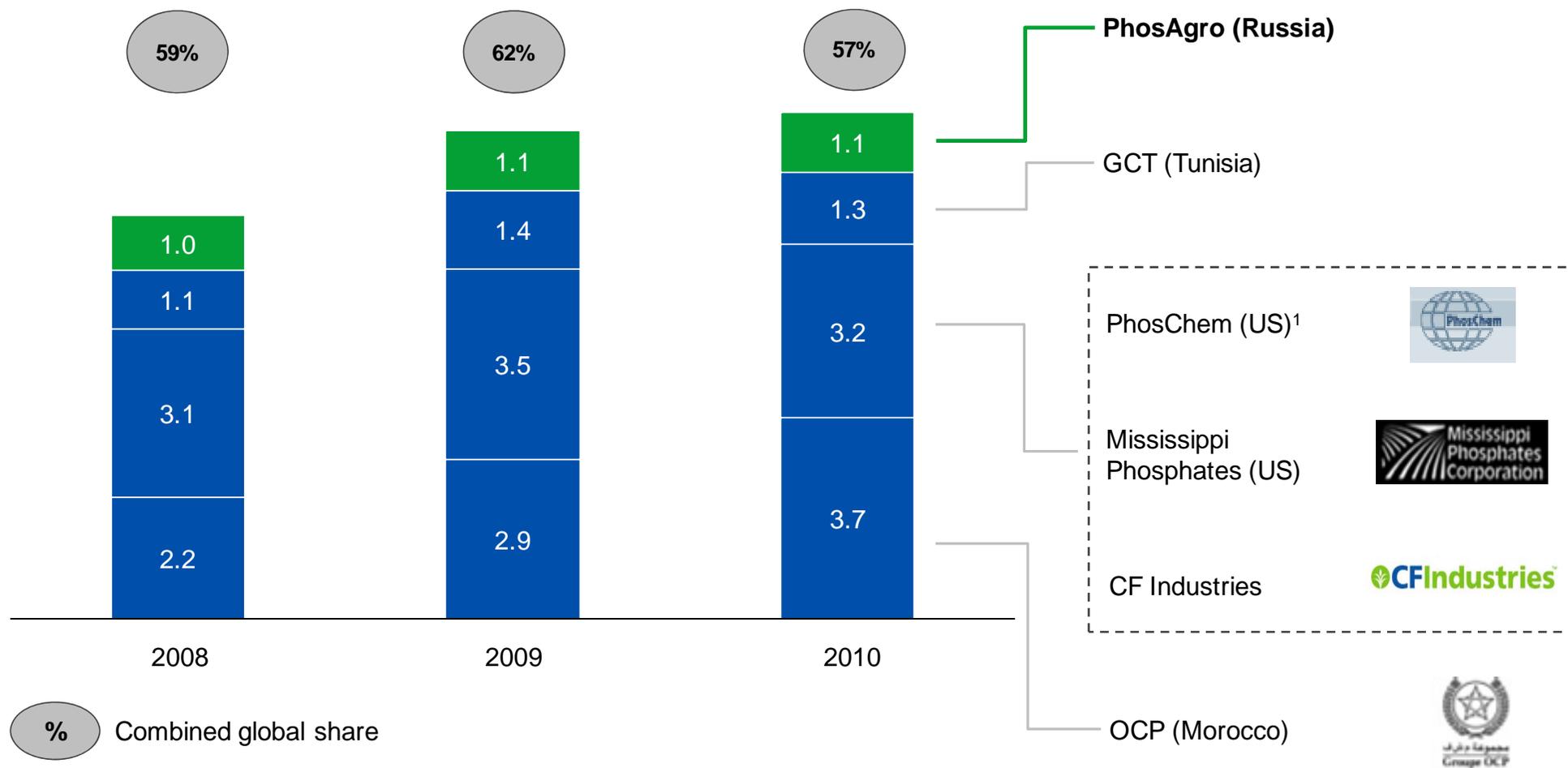
### Chinese Food Imports



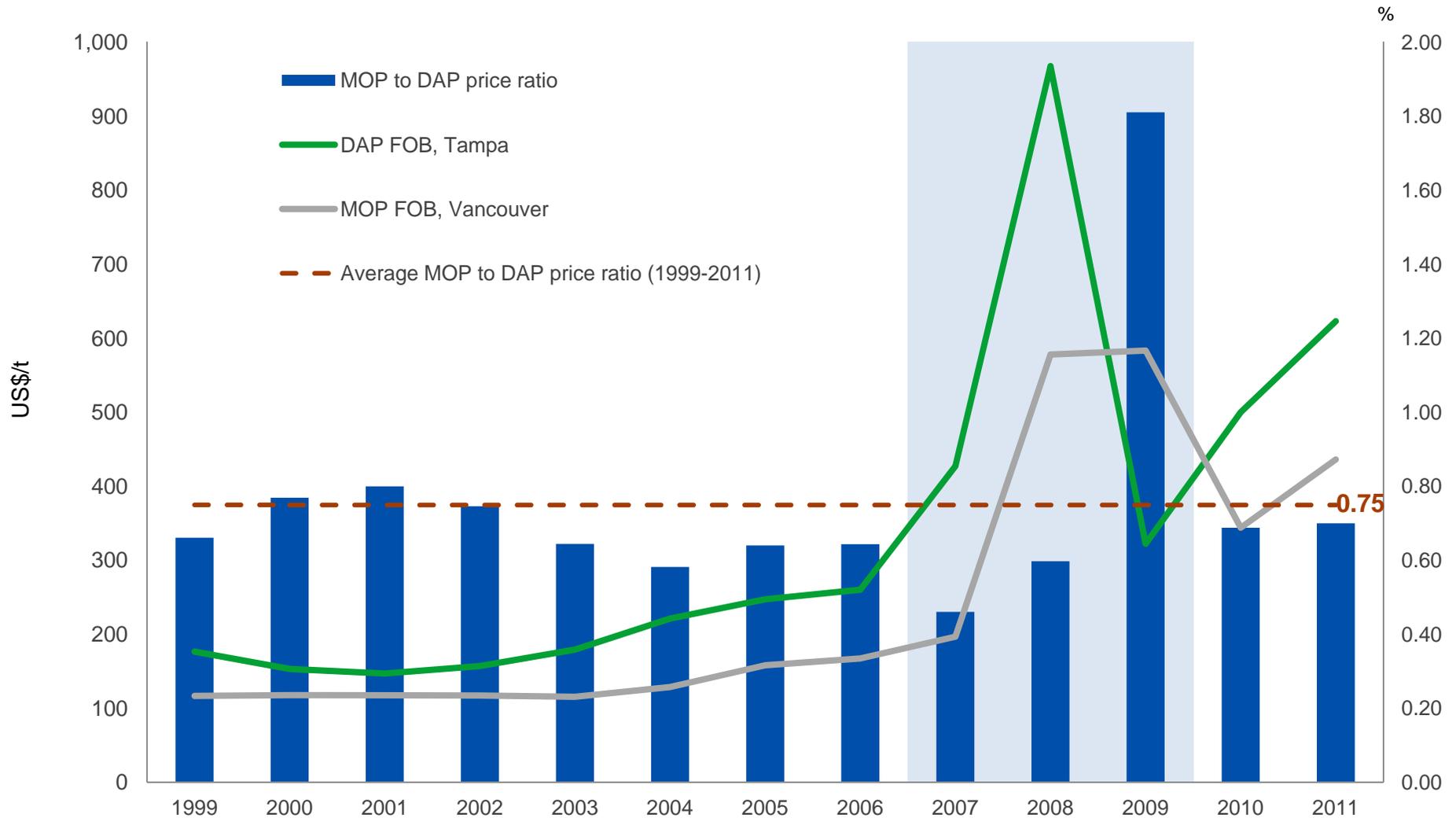
# Phosphate is a consolidated industry

## Global export volumes of MAP / DAP / TSP / Phosphoric acid

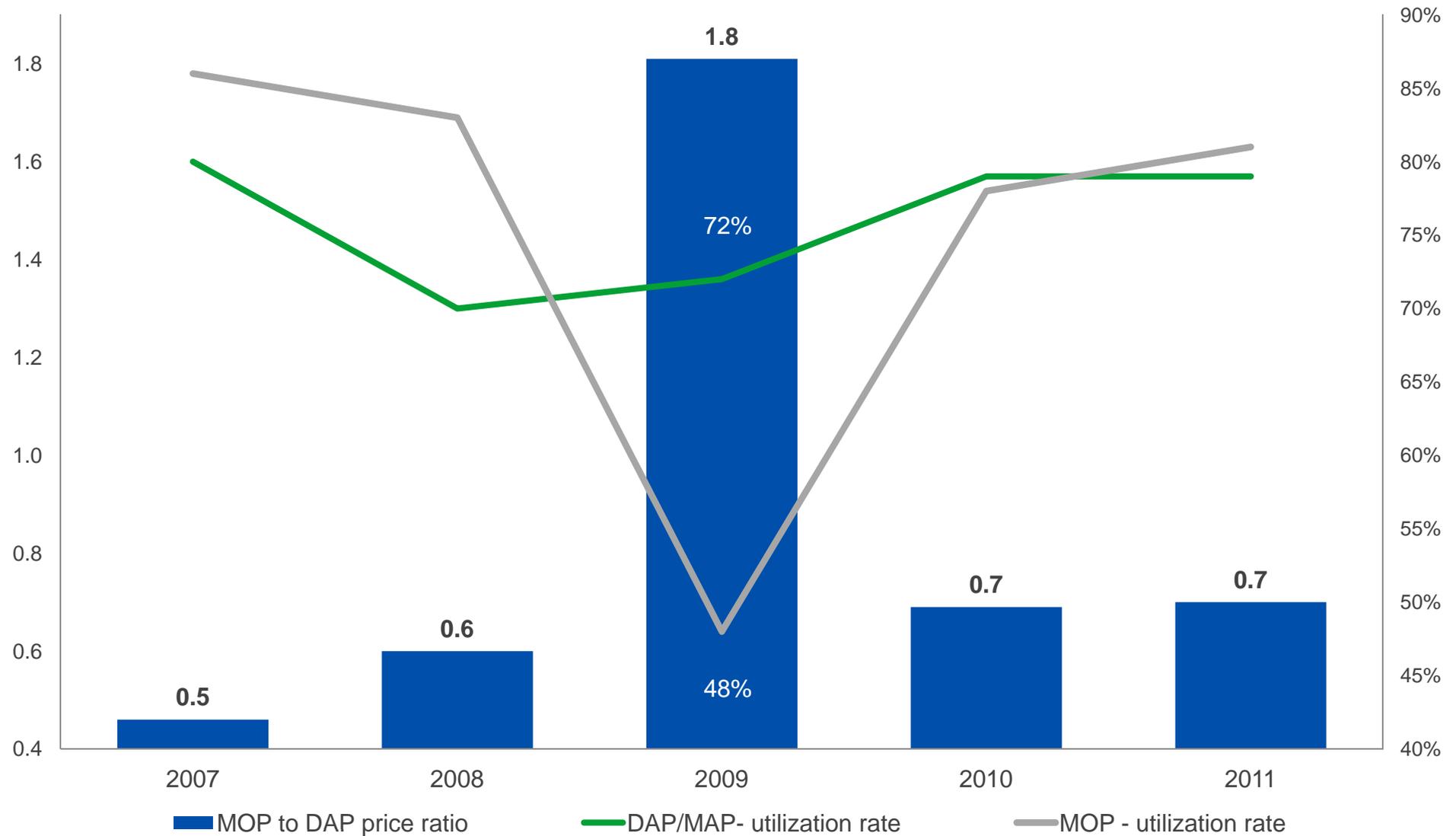
mln t P<sub>2</sub>O<sub>5</sub>



Source: Fertecon, IFA , Bloomberg, companies reports  
 Note: (1) PhosChem – Phosphate Chemical Export Association Inc. (Members: Mosaic, PCS)

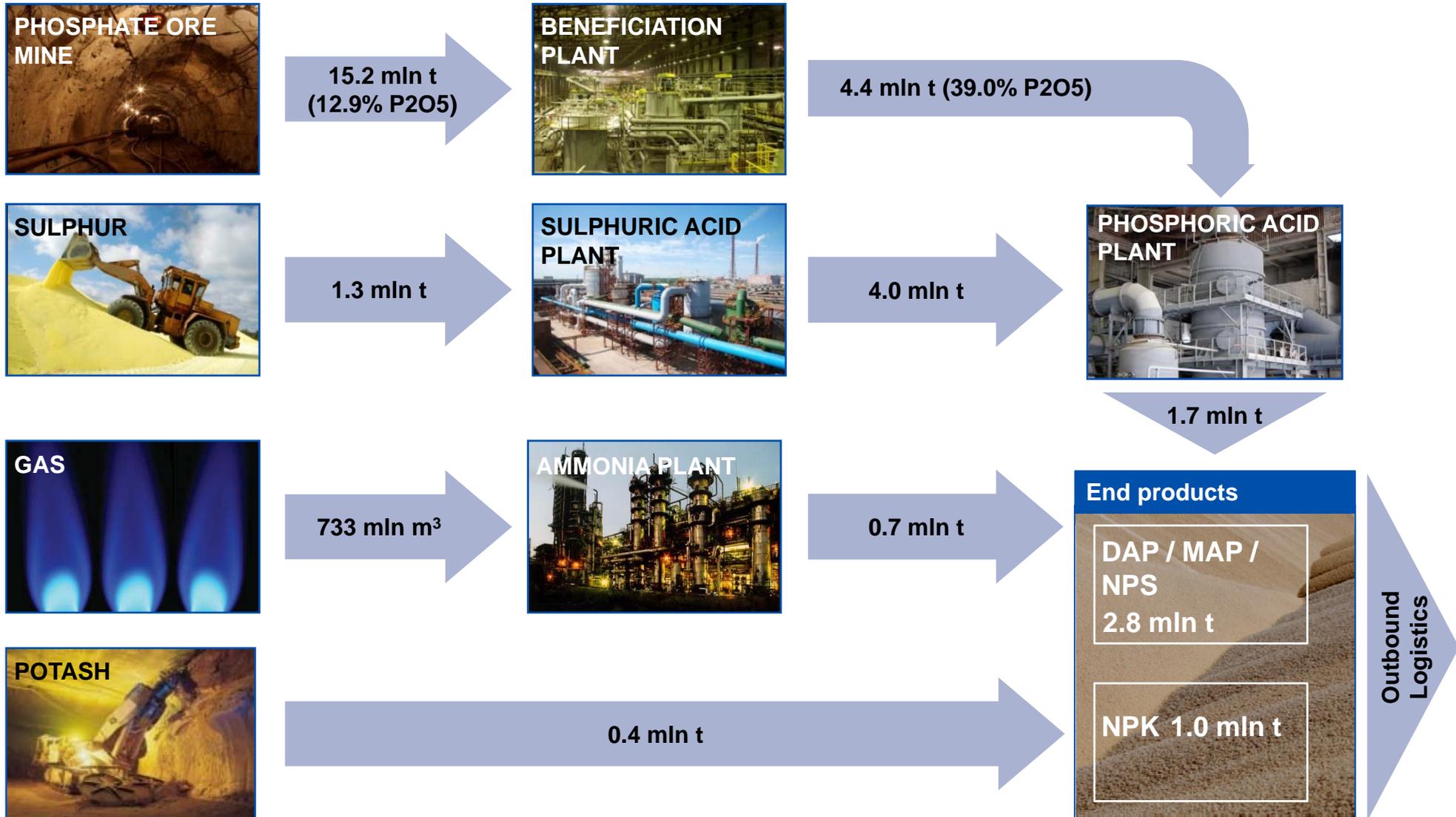


# Fertiliser utilization rates and price ratio



Need for a combination of feedstocks and complexity of production process act as barriers to entry

Overview of integrated phosphate-based production model based on PhosAgro's consumption ratios



## Only few countries have domestic resource base which is significant enough to produce phosphate fertilisers

### Production/resources of phosphate rock, natural gas and sulphur

2010

Region	Phosphate Rock, mln t		Natural Gas, bln cm		Sulphur, k t	
	Production	Resources	Production	Resources	Production	Import
World	180.7	65,000	3,193	187,000	76,948	30,944
<b>1 Russia</b>	<b>10</b>	<b>4,300</b>	<b>588</b>	<b>44,800</b>	<b>7,354</b>	<b>0</b>
<b>2 USA</b>	<b>25.2</b>	<b>1,400</b>	<b>611</b>	<b>7,700</b>	<b>9,061</b>	<b>3,066</b>
<b>3 Saudi Arabia</b>	<b>5*</b>	<b>7,690</b>	<b>80</b>	<b>8,000</b>	<b>3,200</b>	<b>0</b>
4 Canada	0.7	5	160	1,700	7,091	0
5 China	69.3	3,700	96	2,800	15,331	10,085
6 Kazakhstan	1.5	3,100	34	1,800	3,020	0
7 Mexico	1.4	1,000	55	500	1,374	368
8 Iraq	-	5,700	0	3200	100	0
9 Australia	2	82	50	2,900	991	513
10 Peru	0.8	1,453	7	400	490	0
11 Brazil	5.7	340	14	400	400	1400
12 India	1.6	85	51	1,500	2,776	1,807

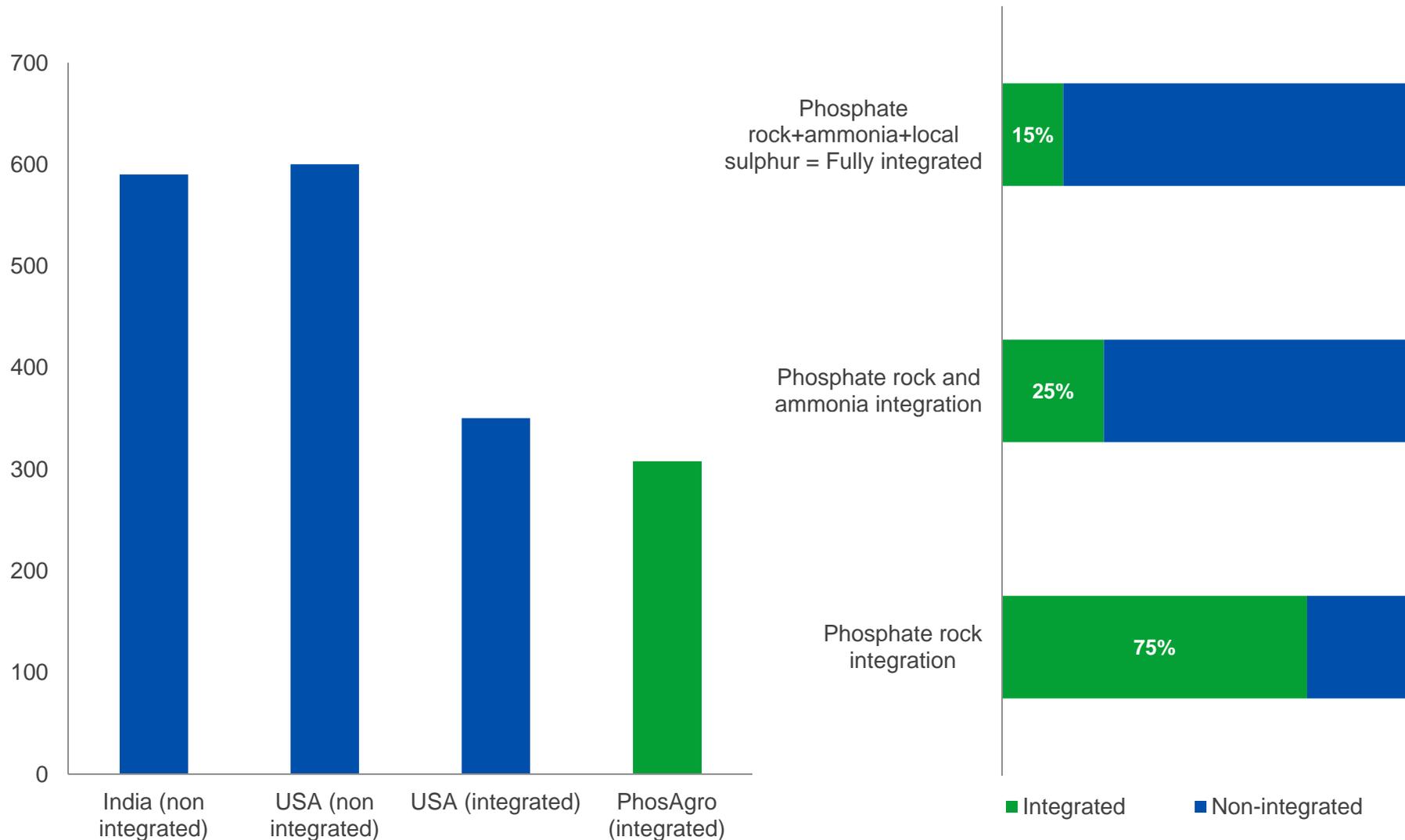


# Significant cost advantage for integrated producers

## Estimated DAP production cash costs

## Key feedstock integration in the World Phosphate Industry<sup>(1)</sup>

FOB, US\$ per tonne DAP



Source: companies' data, Fertecon, PhosAgro  
 Note: (1) by phosphoric acid capacities, excluding China

**Production facilities**  
Capacity – mln t / year

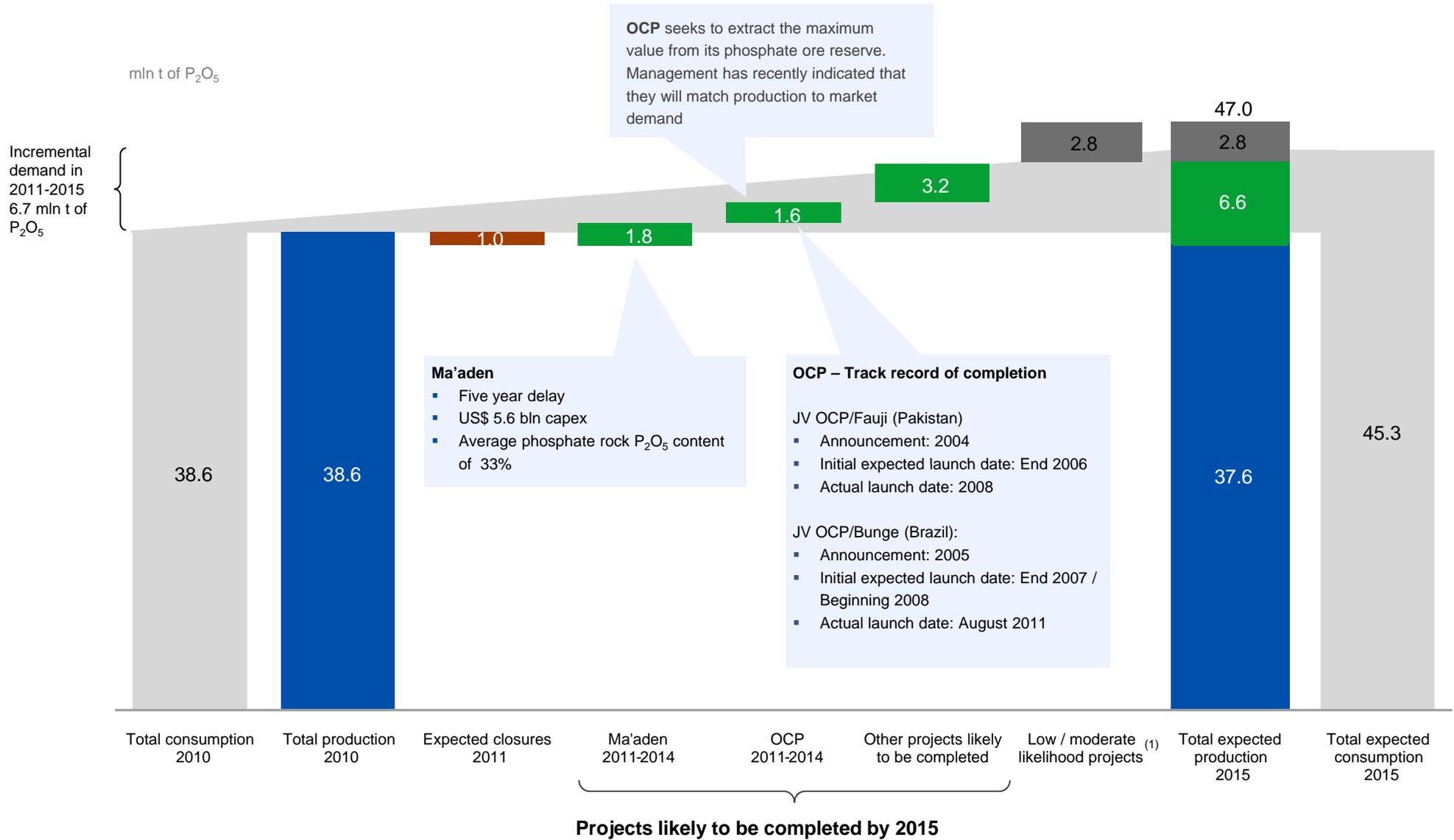
Ma'aden



Production facilities	Ma'aden	PHOSAGRO
Phosphate rock mine	12.0	27.2
Beneficiation plant	5.0	8.1
Sulphuric Acid Plant	4.7	4.1
Phosphoric Acid Plant	1.5	1.8
Ammonia Plant	1.1	1.1
DAP Plant	2.9	3.7
Key products	DAP	MAP, DAP, NPK, NPS

**Ma'aden – total est. CAPEX<sup>(1)</sup>: US\$ 5.6bln**  
**Construction period: 6 years +**

# Timing and completion of new capacities is uncertain



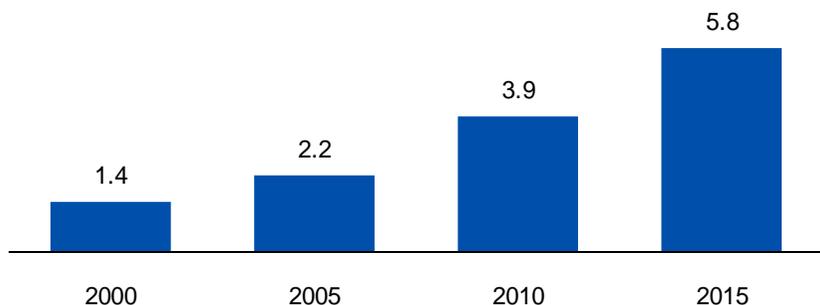
Note: (1) Projects with low / moderate likelihood of completion by 2015  
 Source: FERTECON, closures and new projects at 100% nameplate capacity, Fertiliser Week, IFA, companies' data

# Strong demand fundamentals for fertilisers

## Meat consumption is driving demand for phosphate-based fertilisers and feed phosphates

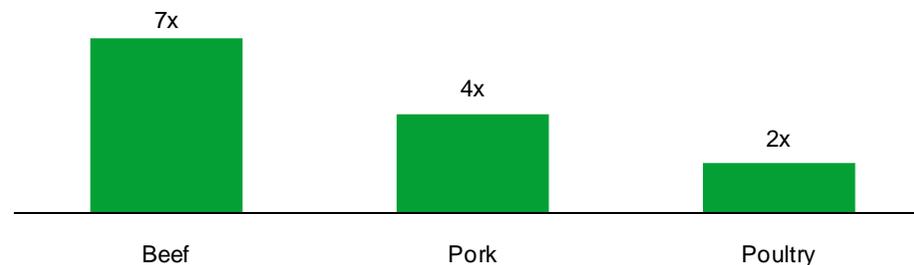
**Growing GDP per capita in Emerging Markets**

'000 US\$



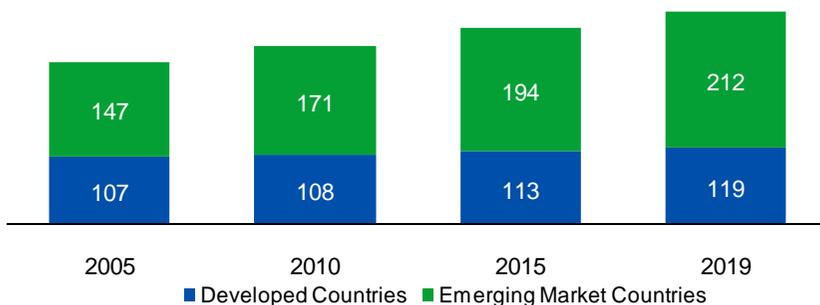
**Animal feed a key driver for grain consumption**

kg of grain required to produce 1 kg meat



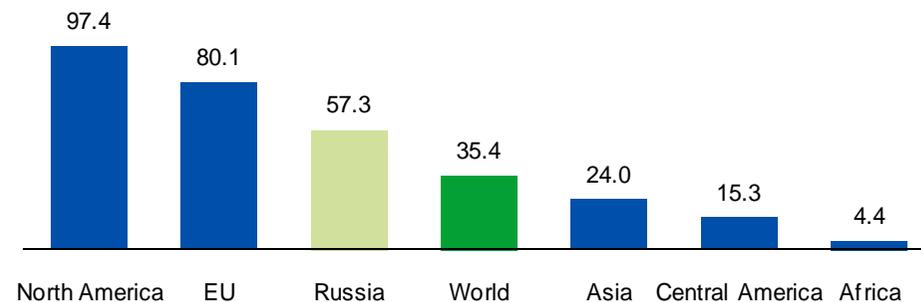
**Changing diets – growth in meat consumption**

mln t



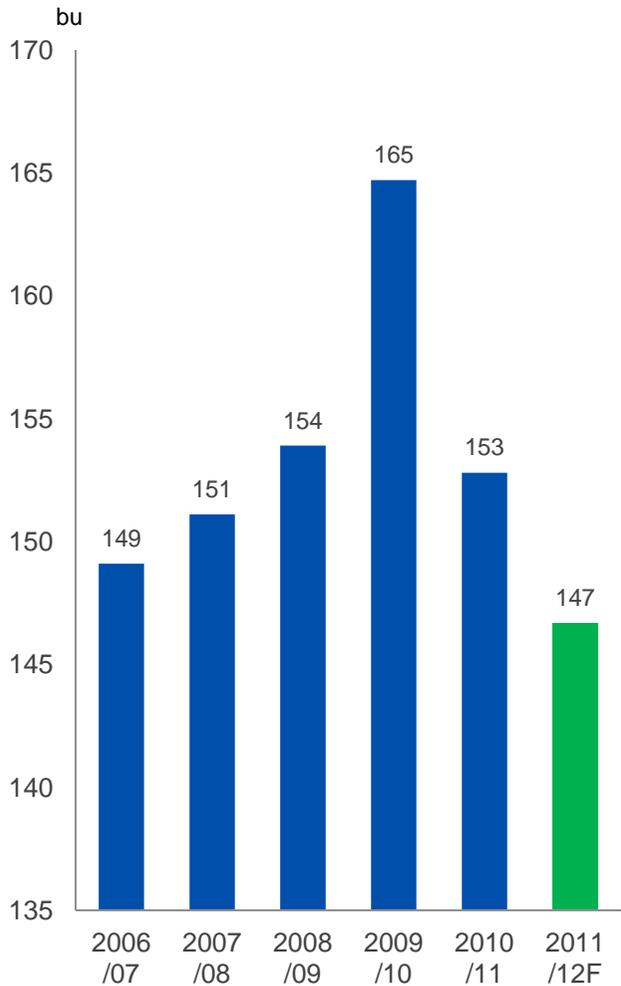
**Meat Consumption by Region**

kg meat/capita/year

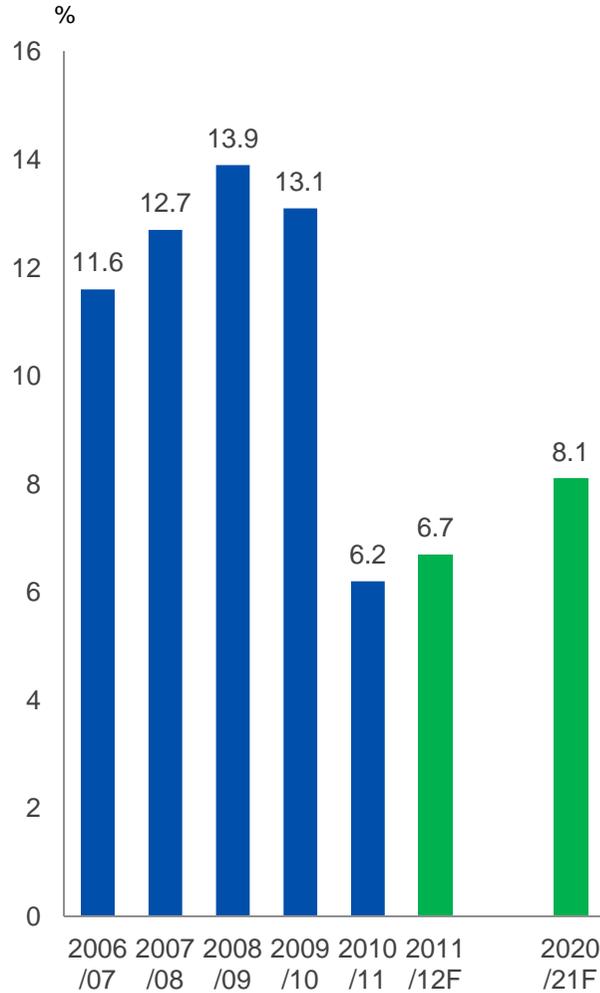


# Significant room for further growth of use of phosphate fertilisers

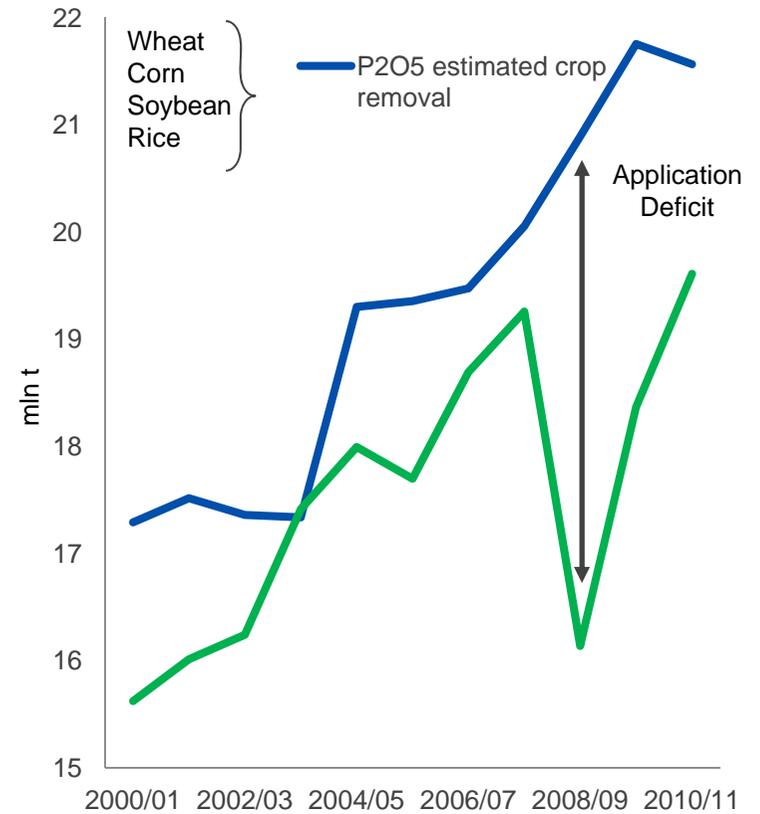
**Corn yield per harvested acre in US**



**US corn stocks-to-use ratios, %**



**Insufficient application of phosphate fertilisers creates significant room for growth**



**Nutrient removal rate**

kg P<sub>2</sub>O<sub>5</sub>/t of crop

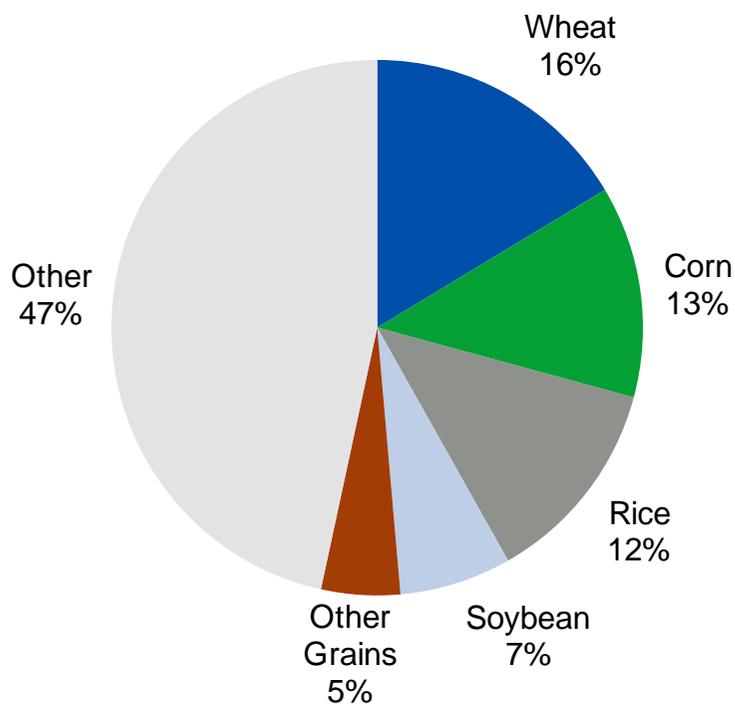
	Wheat	Corn	Rice	Soybeans
	11.3	6.7	6.4	17.6

**Decreasing corn yields in US**

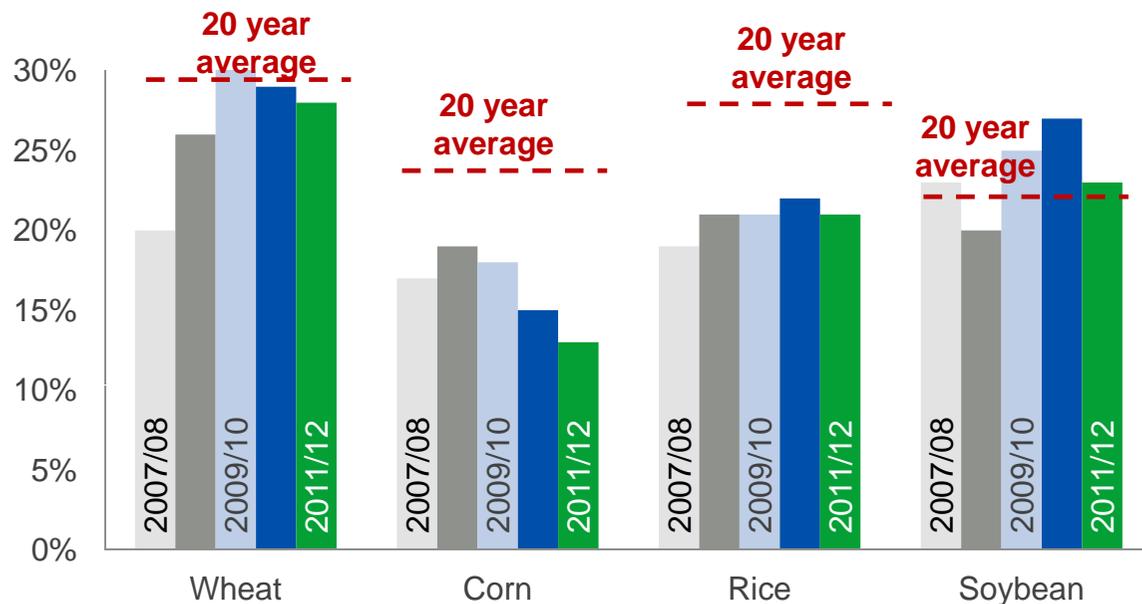
**Tight corn supply-demand balance due to low stock-to-use ratio**

# Stock-to-use ratios for the key phosphate-using crops are at low levels driving crop prices

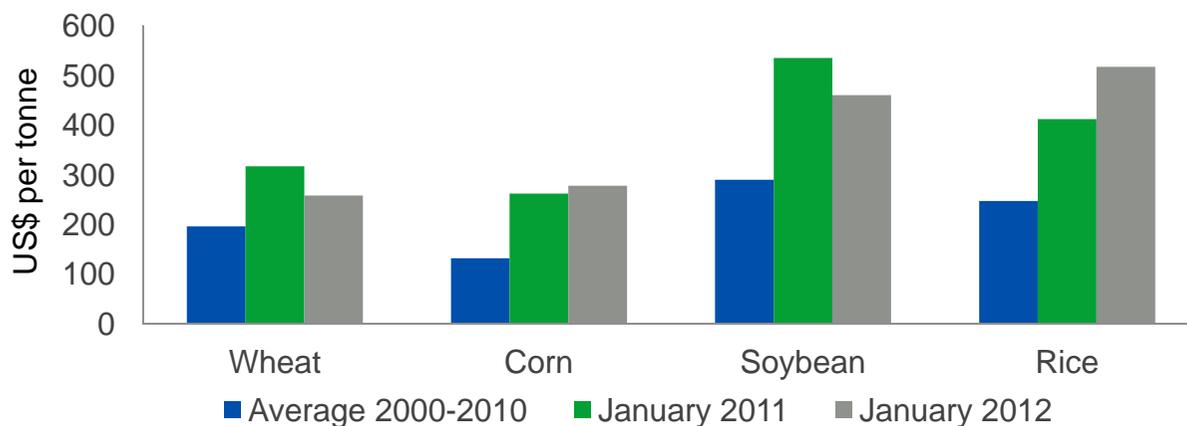
Phosphate fertiliser use by crop



World grain stocks-to-use ratios, %



Crop prices

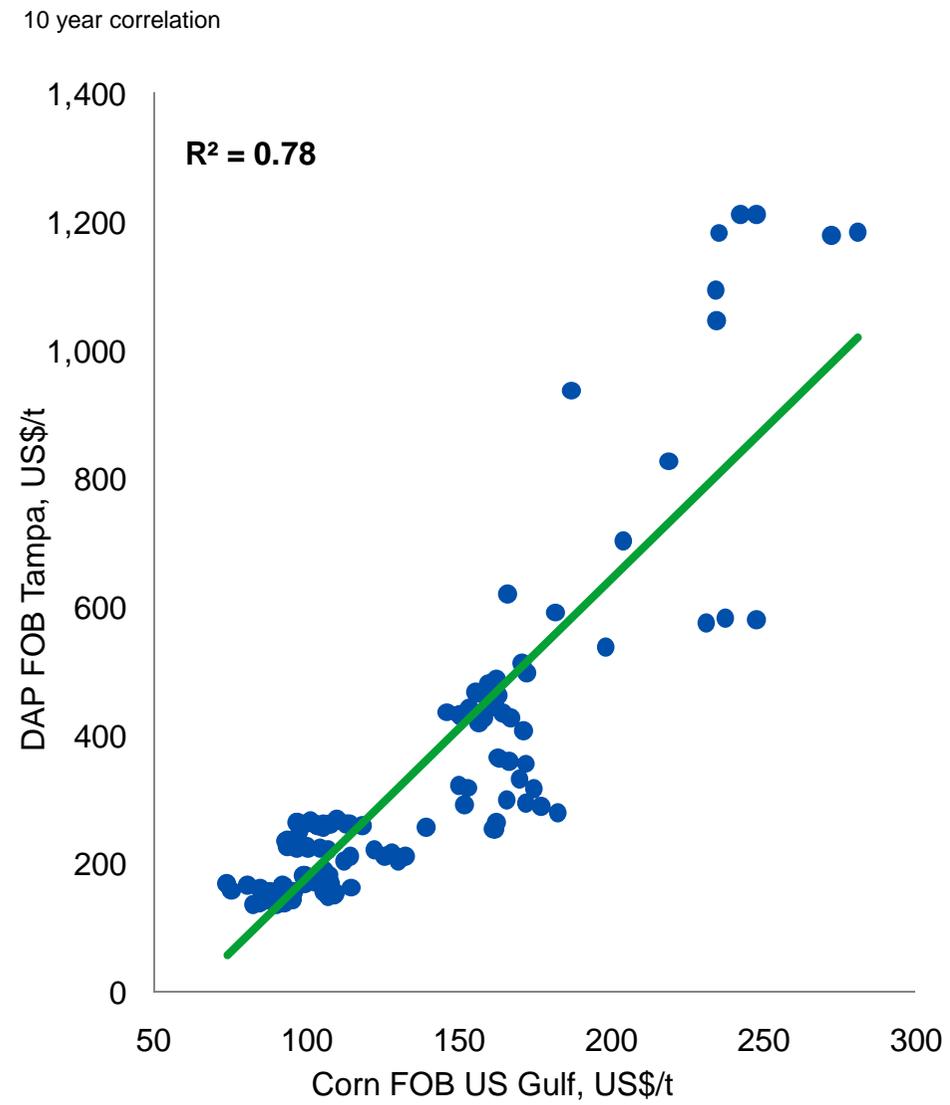


Source: IFA

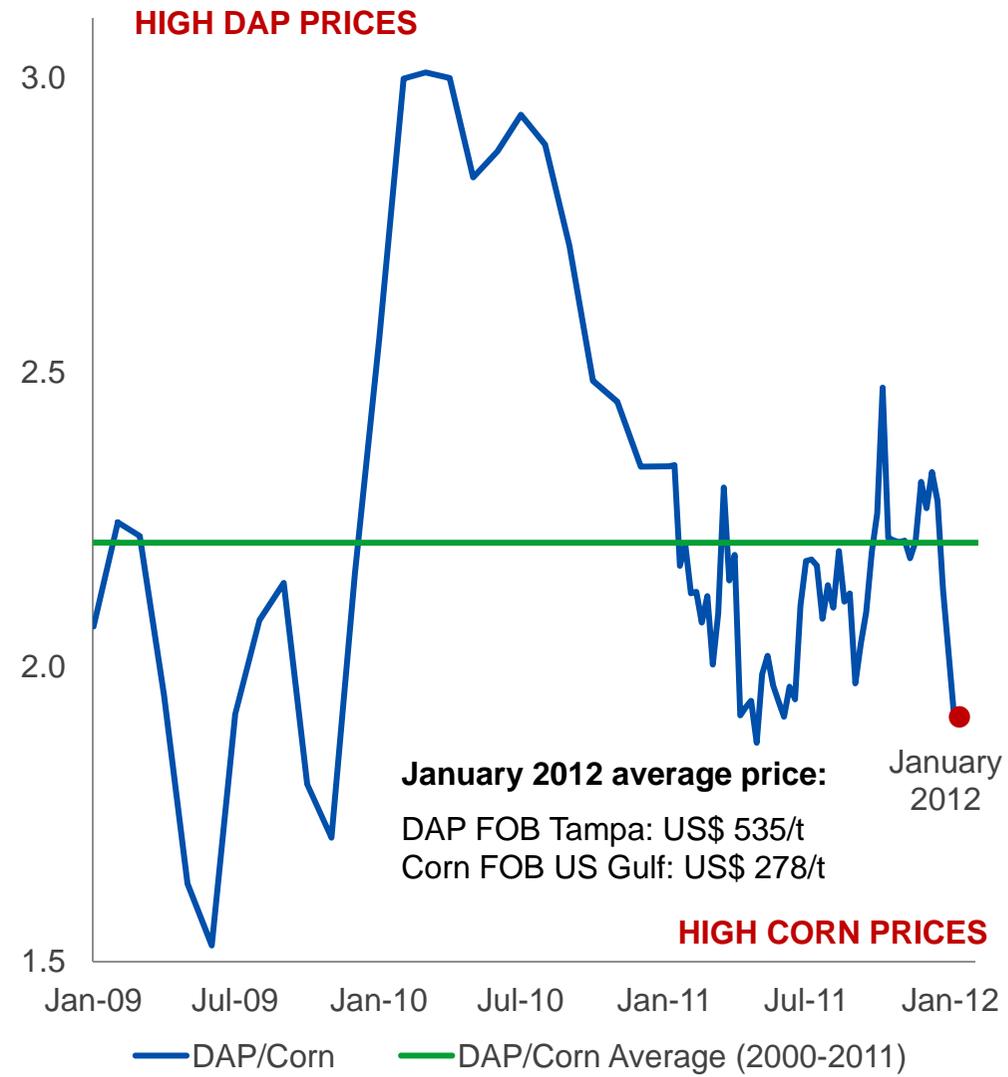
Source: USDA, FAO

# High grain prices driven by market imbalance motivate farmers to use more fertilisers

Corn prices relative to DAP Prices



Corn to DAP prices ratio



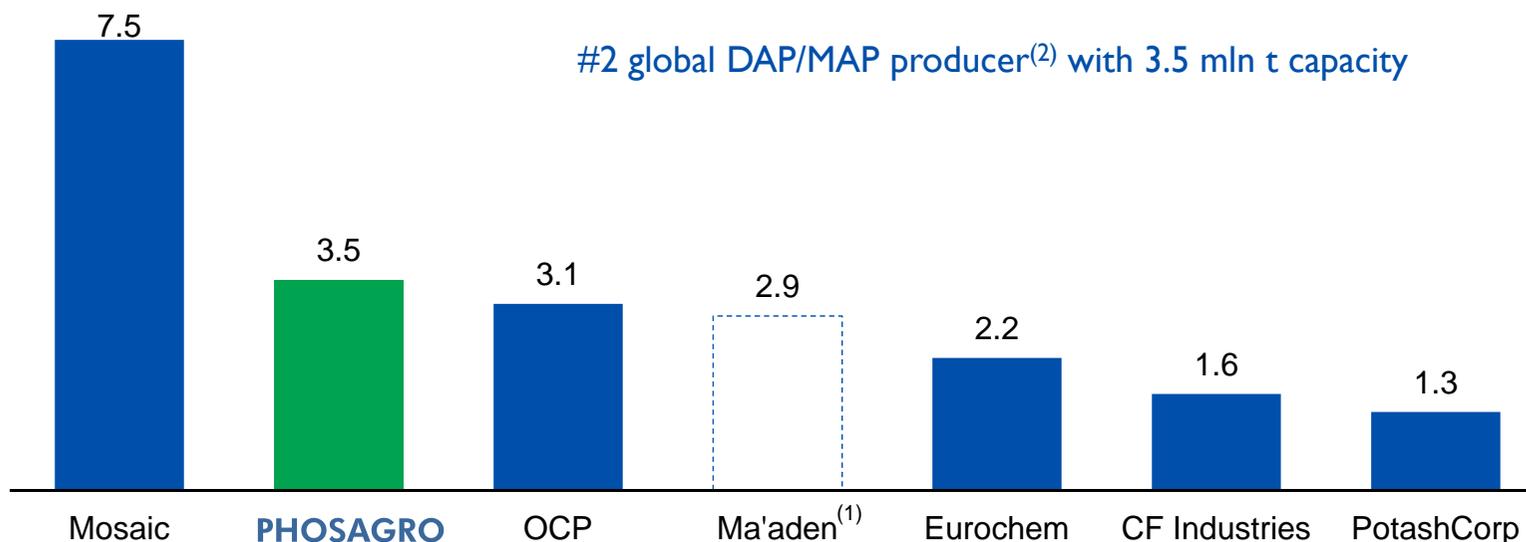
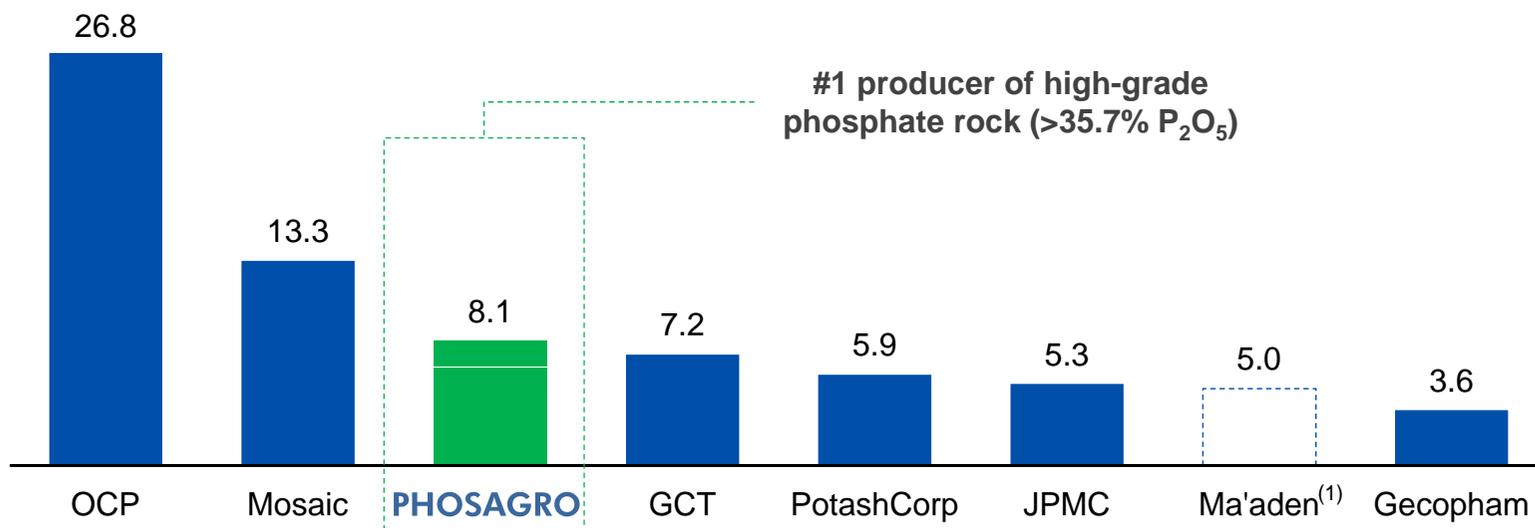


## 2. Company Highlights



# World class integrated phosphate producer

A leading global phosphate rock producer with over 2.1 bln t of apatite-nepheline ore resources (over 75 years of production)



Source: Fertecon, companies' data  
 Note: (1) Ma'aden first stage at full capacity  
 (2) In 2010, excluding Chinese producers

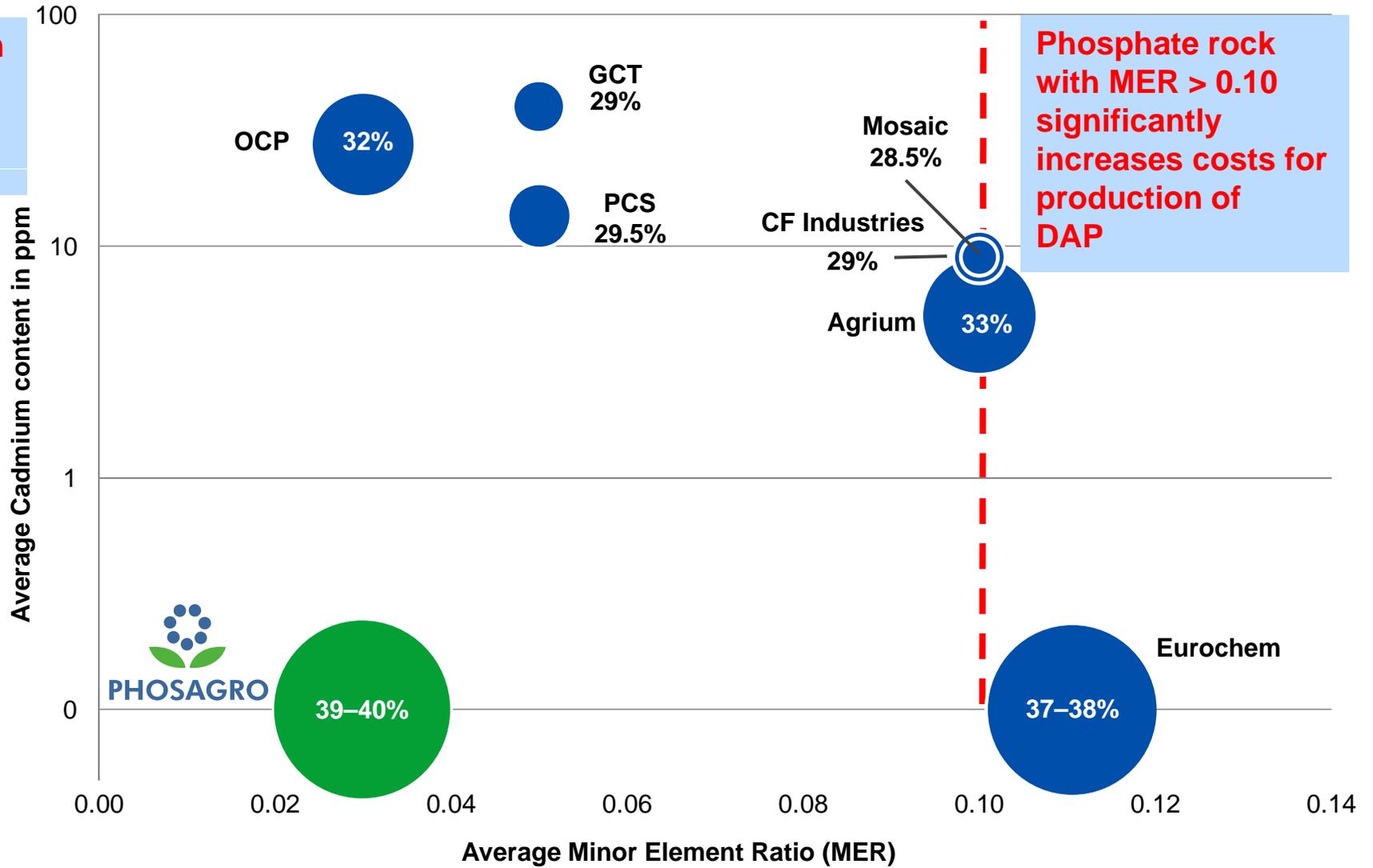
# Control of world's premium phosphate resource base

Location <sup>(1)</sup>	 PHOSAGRO	 Morocco	 USA	 Jordan	 China	 Tunisia
Al <sub>2</sub> O <sub>3</sub> content	13.0-14.0% High	Very low	Very low	Very low	Very low	Low to moderate
Ore type	Igneous	Sedimentary	Sedimentary	Sedimentary	Sedimentary	Sedimentary
Level of radioactivity	Very low	Moderate	Moderate to high	Low to moderate	Low to moderate	Moderate
Hazardous metals content	Very low	Moderate	Moderate to high	Low	Low to moderate	Low to moderate
World Phosphate Rock Reserves, billion t	2.1	50	1.4	1.5	3.7	0.1

Note: (1) primary global DAP/MAP producing regions  
Source: Fertecon, IMC, USGS 2011

# Control of world's premium phosphate resource base

Higher cadmium content in sedimentary rocks

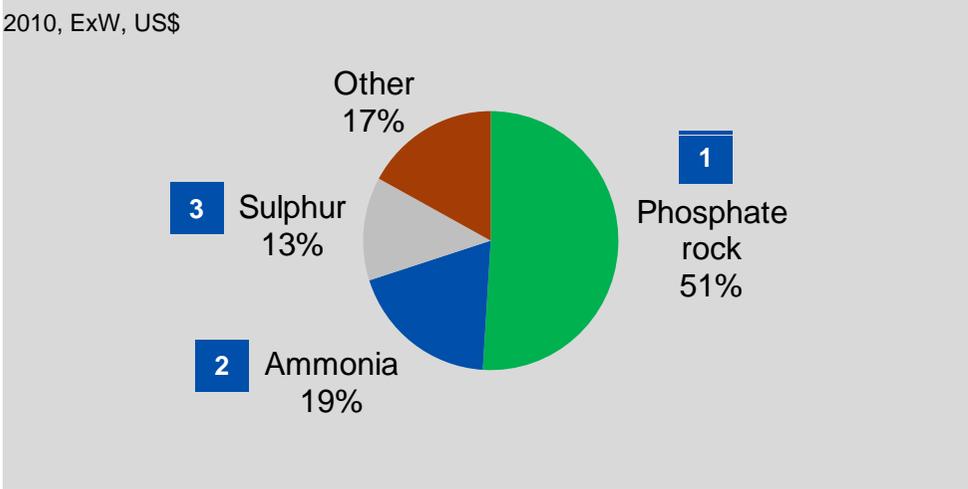


Phosphate rock with MER > 0.10 significantly increases costs for production of DAP

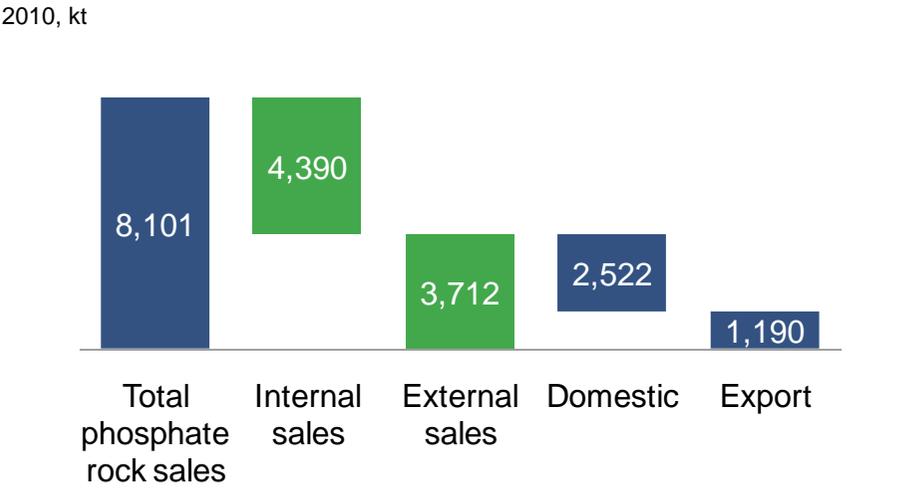
Note: Size of the bubble represents P<sub>2</sub>O<sub>5</sub> content in phosphate rock in excess of 28%, which is recognized as a minimum for production of high quality phosphate fertilisers  
 Source: Fertecon, PhosAgro, companies' data

# Self-sufficiency in key feedstocks

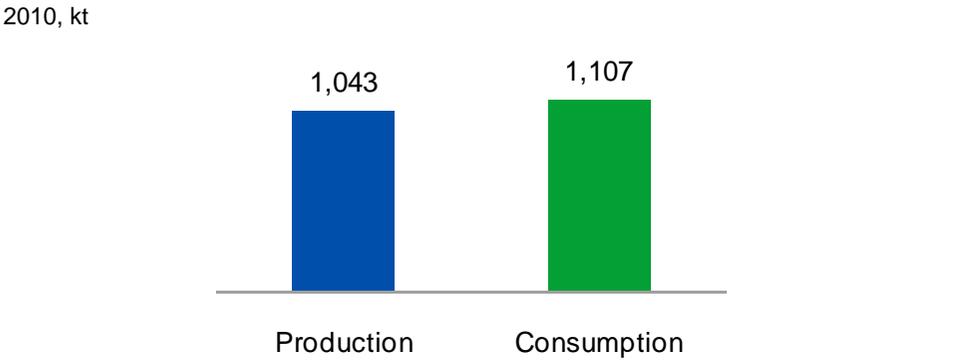
## PhosAgro DAP production cash costs



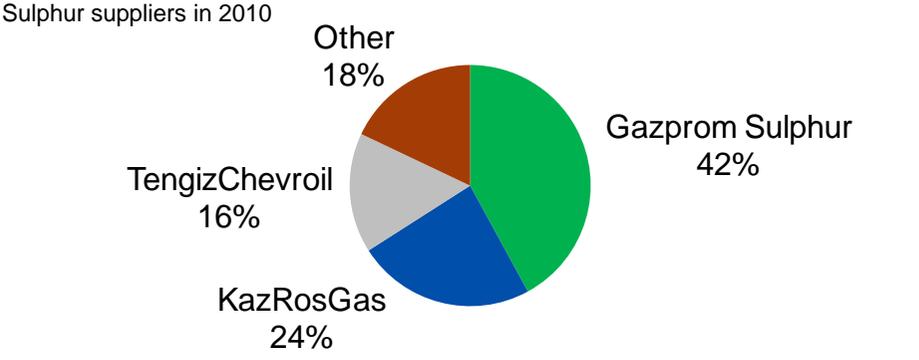
## 1 Phosphate rock: 100% self-sufficient



## 2 Ammonia: 94% self-sufficient



## 3 Sulphur: access to local supplies



Source: PhosAgro

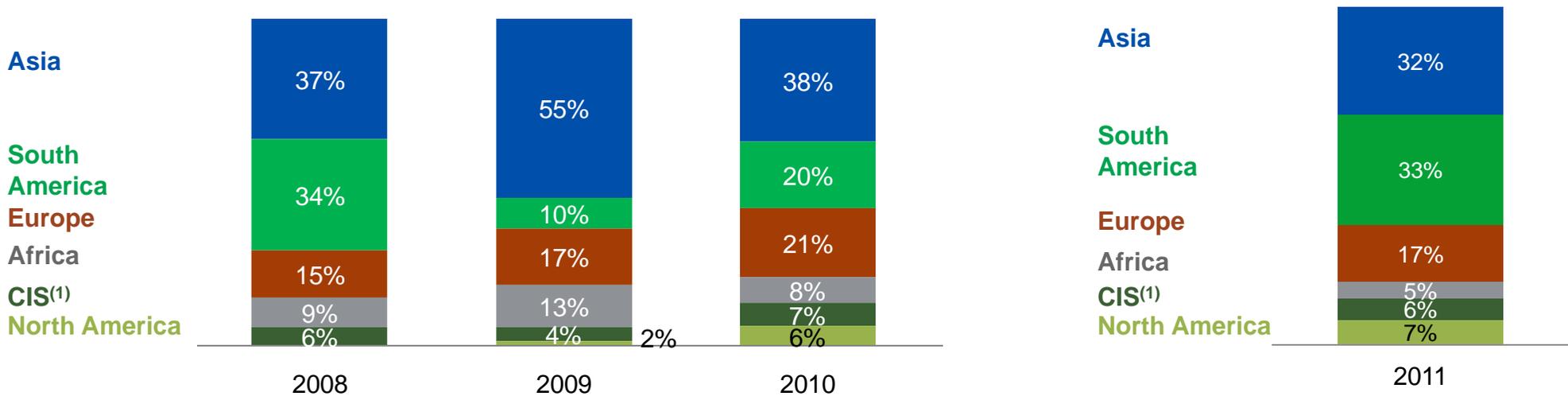
# Flexible business model

## Flexible business model



## Phosphate-based fertilisers and feed phosphate exports by region

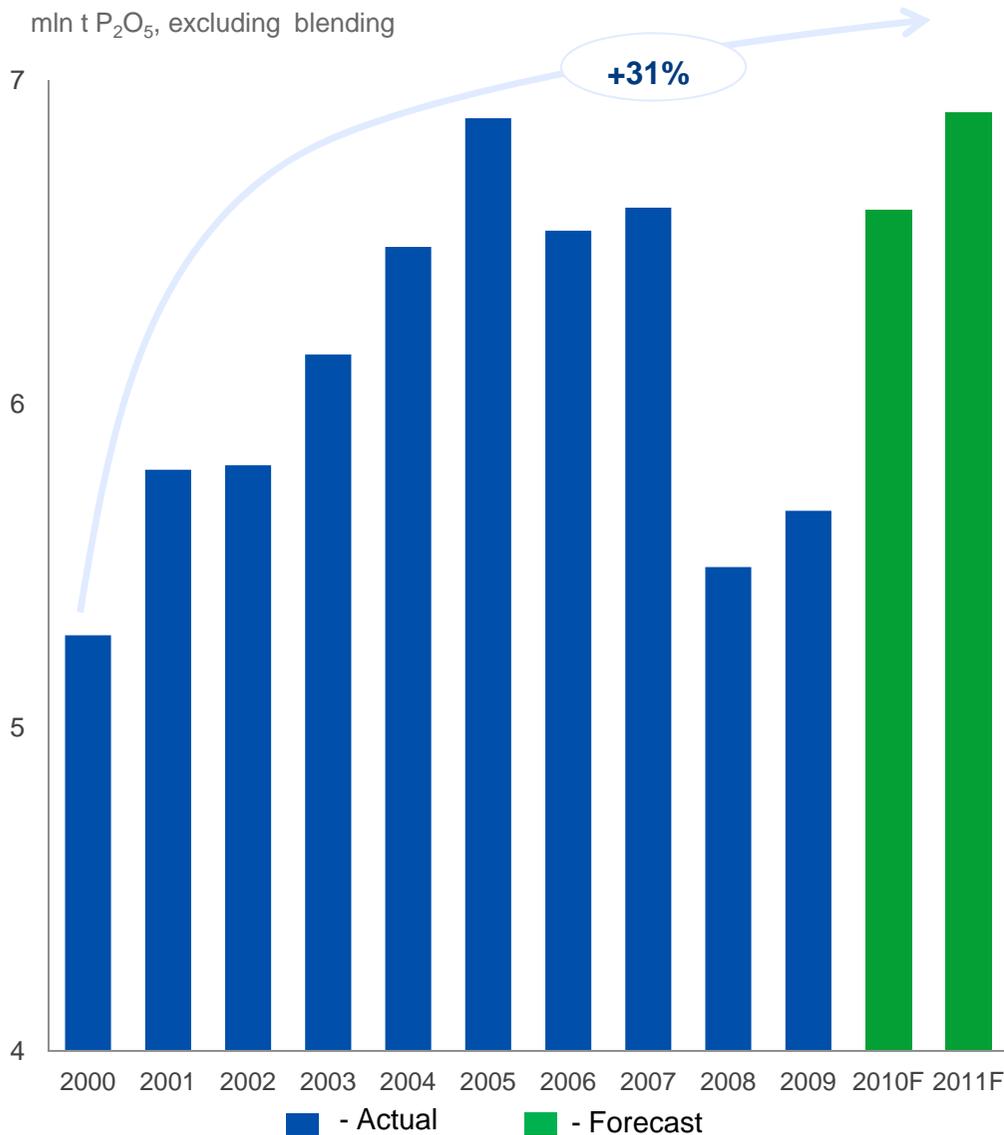
In volume terms



Source: PhosAgro  
 Note: (1) Excluding Russia

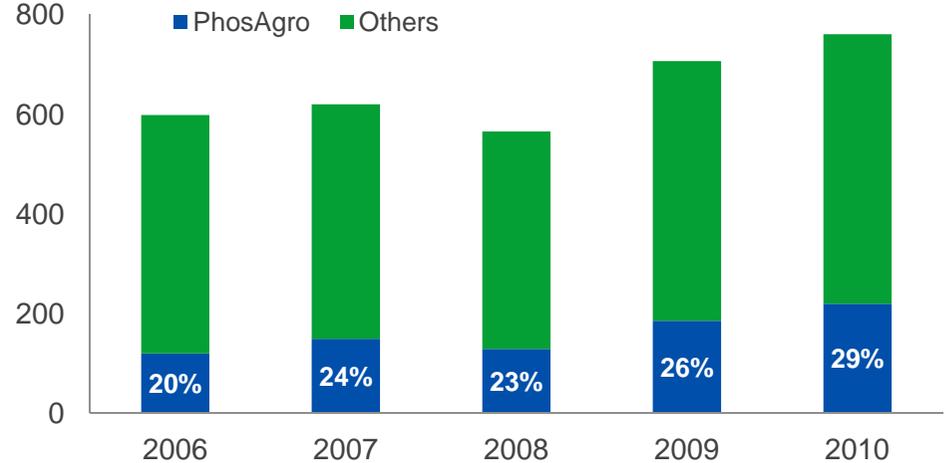
## World NPK Production

mln t P<sub>2</sub>O<sub>5</sub>, excluding blending



## NPK production in Russia

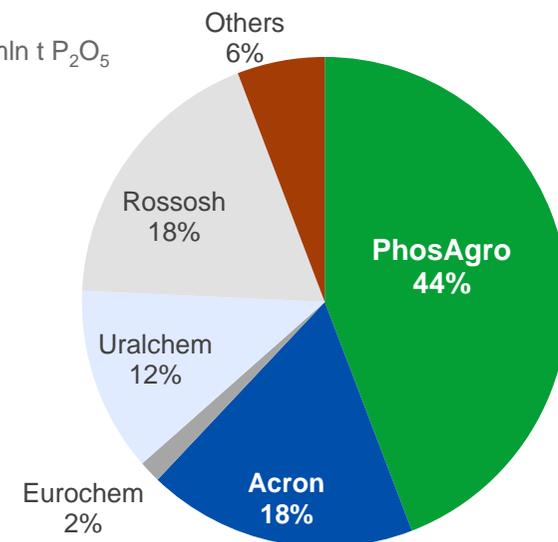
kt P<sub>2</sub>O<sub>5</sub>



## PhosAgro – main supplier of NPK to the domestic market

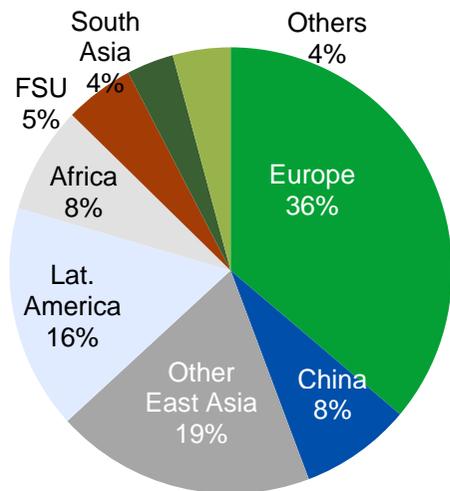
2010

Total: 0,2 mln t P<sub>2</sub>O<sub>5</sub>

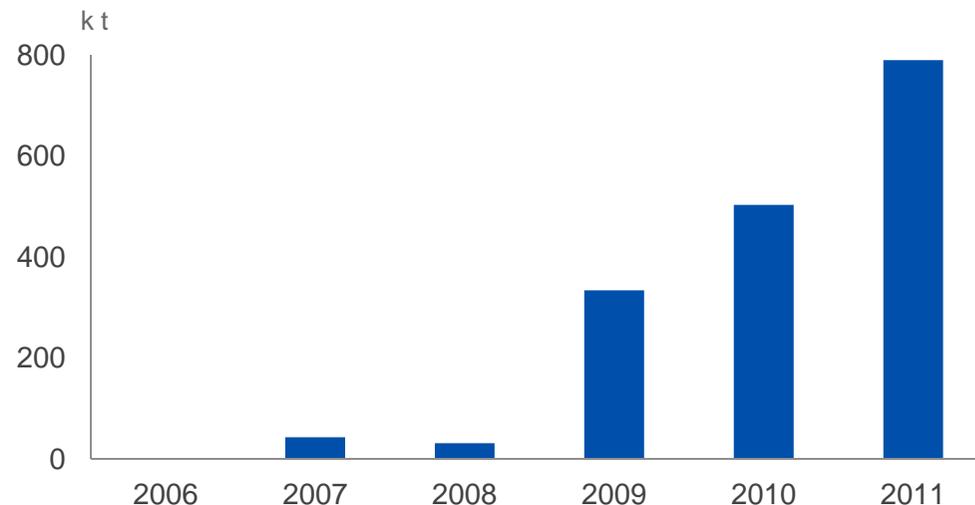


# PhosAgro flexible model meets global demand for NPK

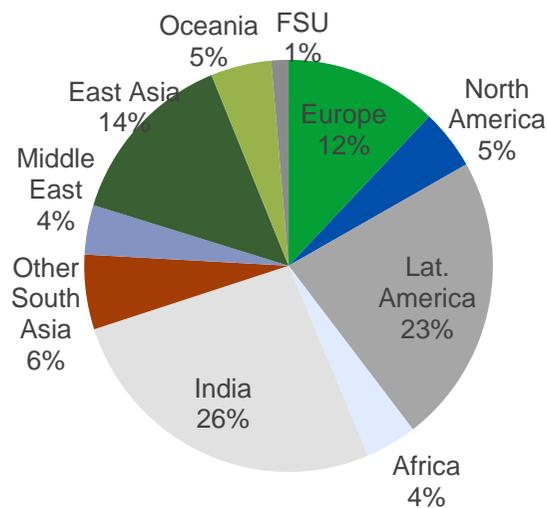
**World NPK Imports: ~2 mln t of P<sub>2</sub>O<sub>5</sub> per annum<sup>(1)</sup>**



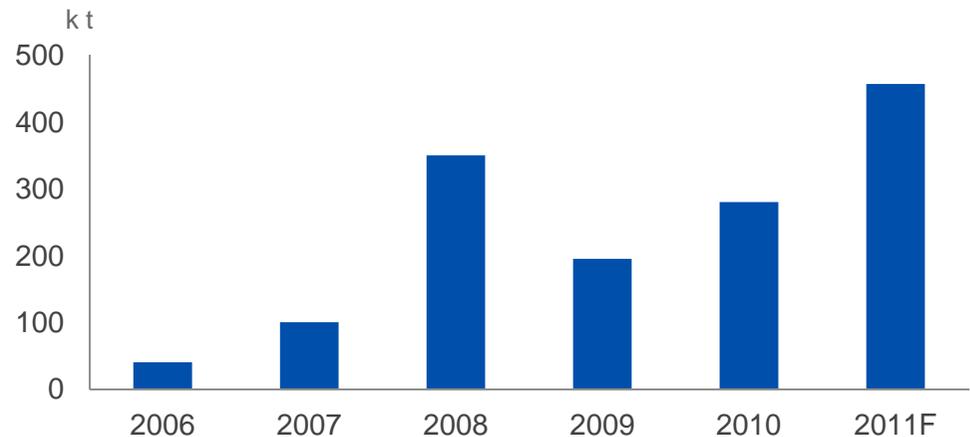
**PhosAgro NPK Exports**



**World DAP/MAP Imports : ~8.5 mln t of P<sub>2</sub>O<sub>5</sub> per annum<sup>(1)</sup>**



**Brazil NPK Imports**



- Reliable sources of nitrogen and phosphates are critical in the economics of granular NPKs. They are rarely found in the same place.
- PhosAgro exports NPK fertilisers to developed as well as to fast growing markets

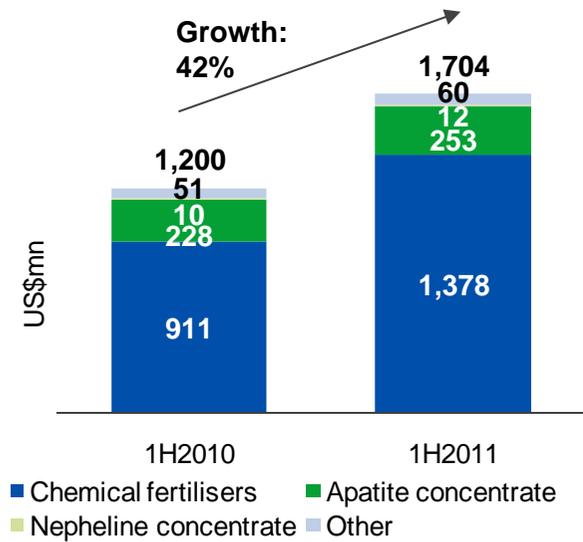
Source: IFA, FCC, PhosAgro  
 Note: (1) average figures for 2005-2010



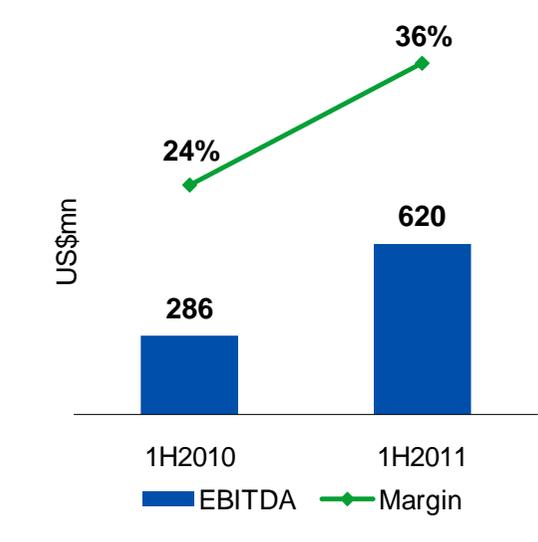
### 3. Financial Overview

# Revenue, EBITDA and Net Income

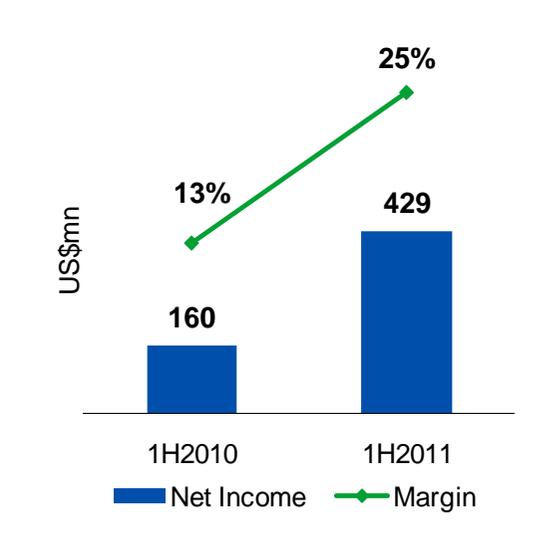
### Revenue (H1 2010/2011)



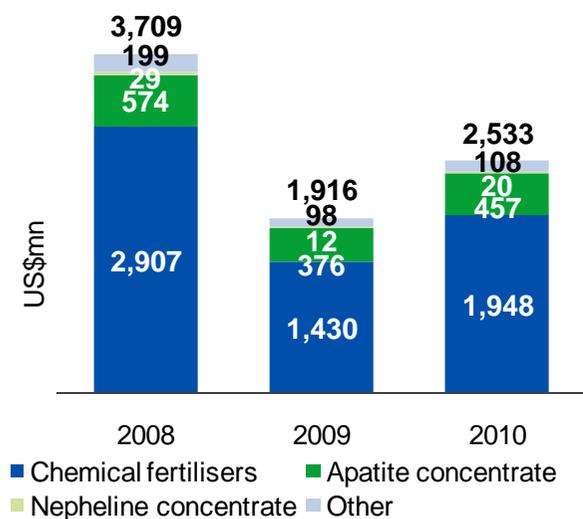
### EBITDA (H1 2010/2011)



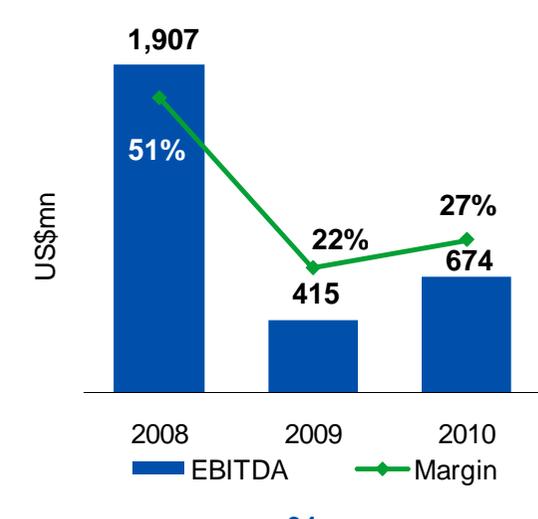
### Net Income (H1 2010/2011)



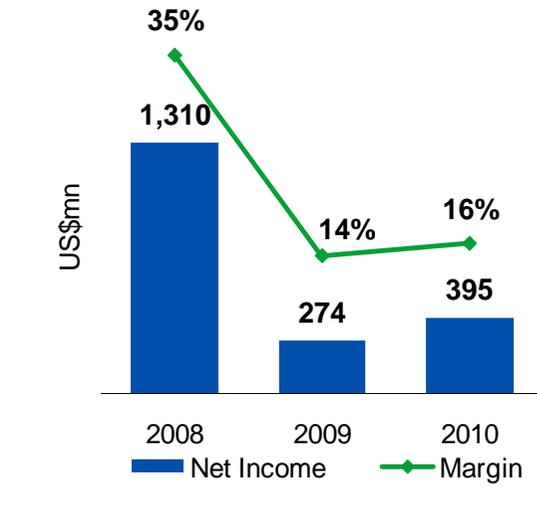
### Revenue (FY 2008-2010)



### EBITDA (FY 2008-2010)



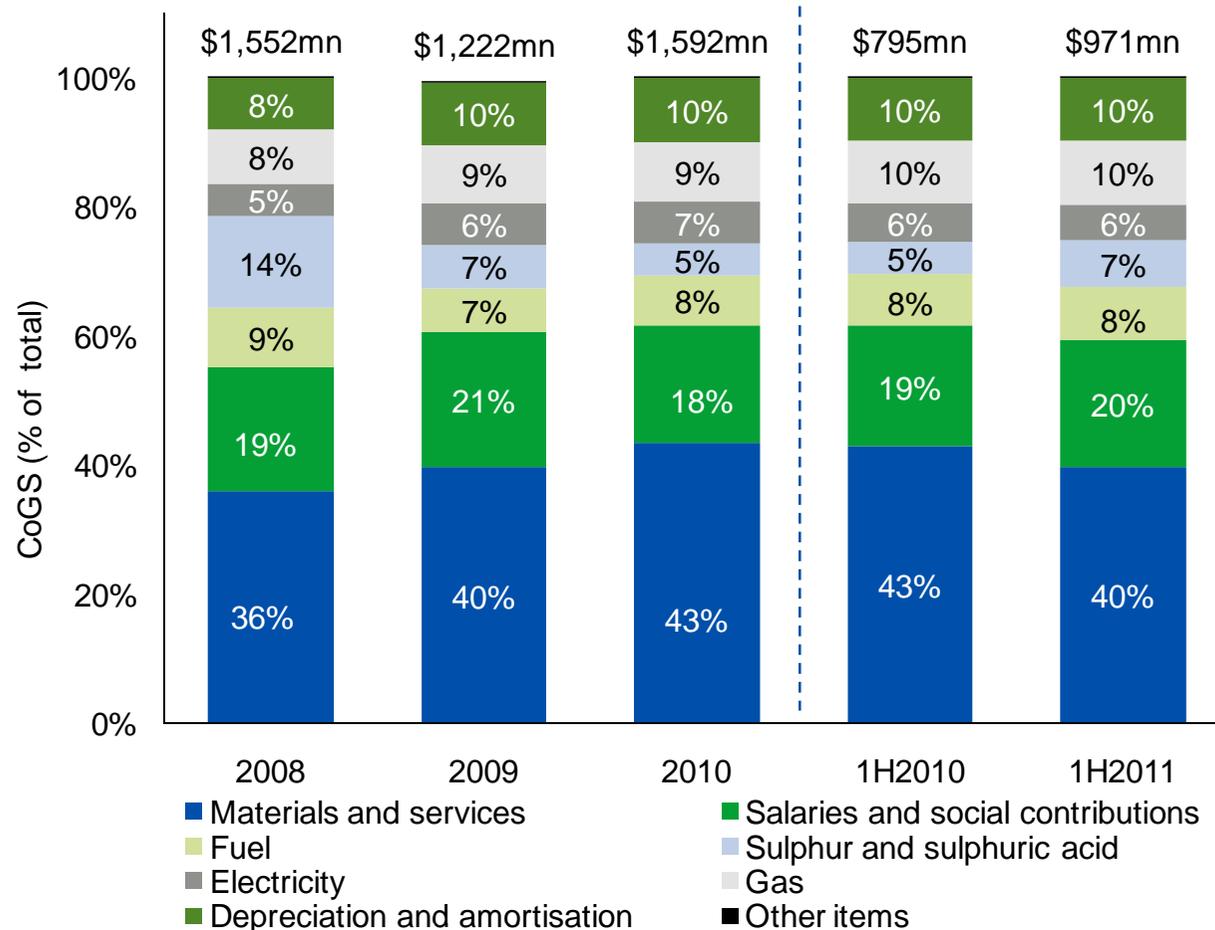
### Net Income (FY 2008-2010)



Note: Applied average USD/RUB exchange rates: 24.86 (2008), 31.72 (2009), 30.37 (2010), 30.07 (1H2010), 28.62 (1H2011)

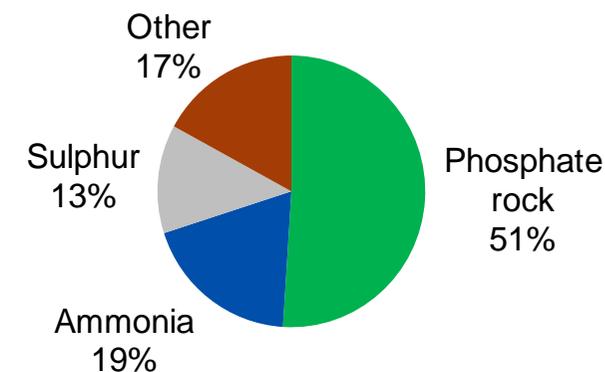
## Cost of Goods Sold and Sales Volumes

Sales (kt)	2008	2009	2010	1H2010	1H2011
Fertilisers <sup>(1)</sup>	3,103	3,635	3,842	1,920	1,992
Rock	3,517	2,807	3,712	1,933	1,558



## DAP Production Cash Cost Breakdown

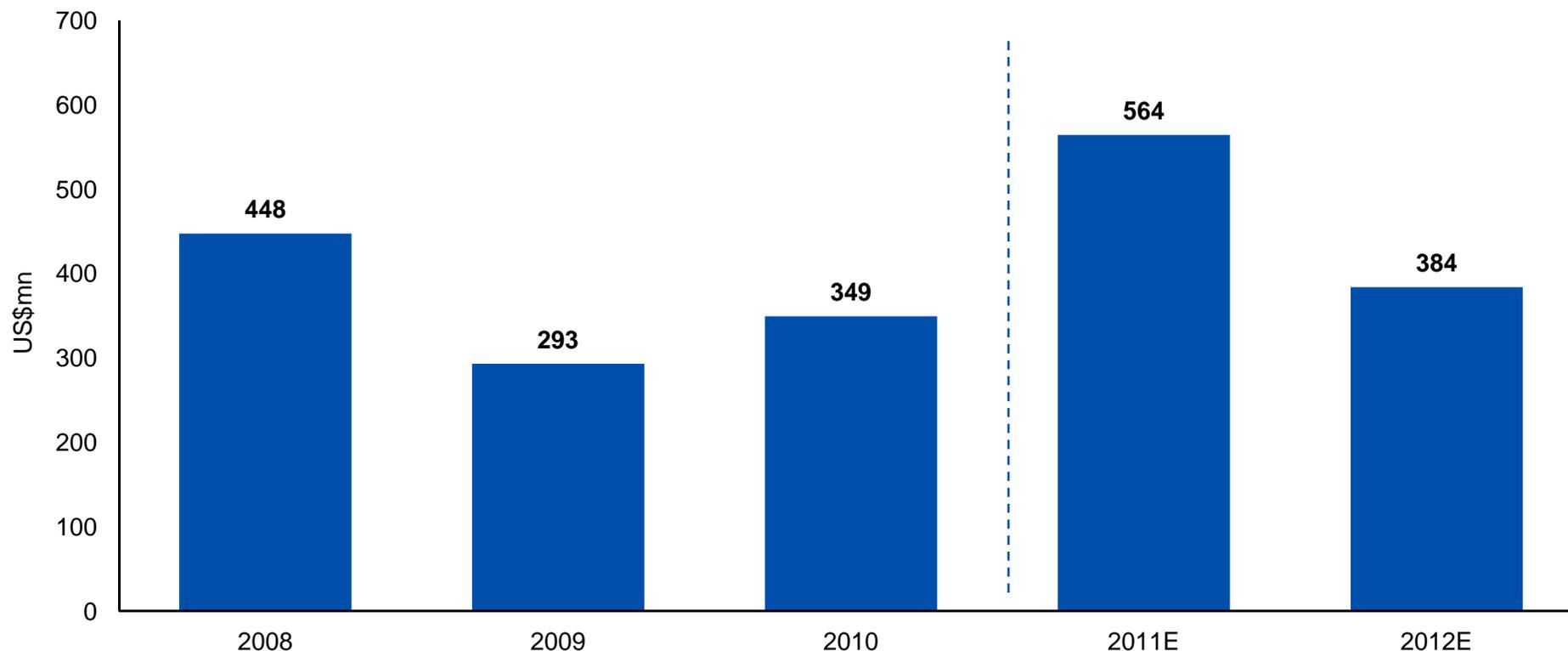
ExW, US\$, 2010



Source: PhosAgro

Note: Excluding change in stock of WIP and finished goods. Applied average USD/RUB exchange rates: 24.86 (2008), 31.72 (2009), 30.37 (2010), 30.07 (1H2010), 28.62 (1H2011)  
 (1) Phosphate-based fertilisers and feed phosphate MCP

## Capex



## Dividend Policy

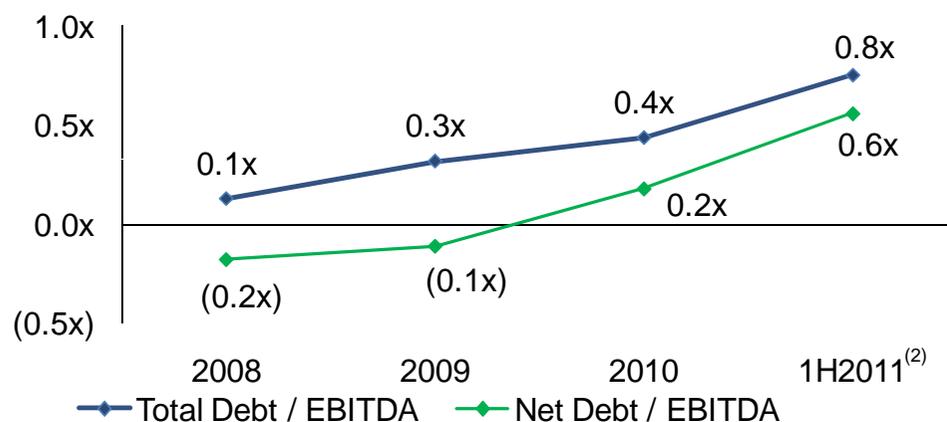
- PhosAgro expects to pay between 20% and 40% of consolidated profit for the year calculated in accordance with IFRS as dividends. The preliminary dividend of RUB 250 per share (US\$ 0.26 per GDR) has been paid in January 2012 upon the decision of the Extraordinary Shareholders Meeting held on December 1, 2011.
- For 2011 PhosAgro intends to pay out no less than 30% of the consolidated net income generated in the last 3 quarters of the year (from April 1 to December 31)

Source: PhosAgro

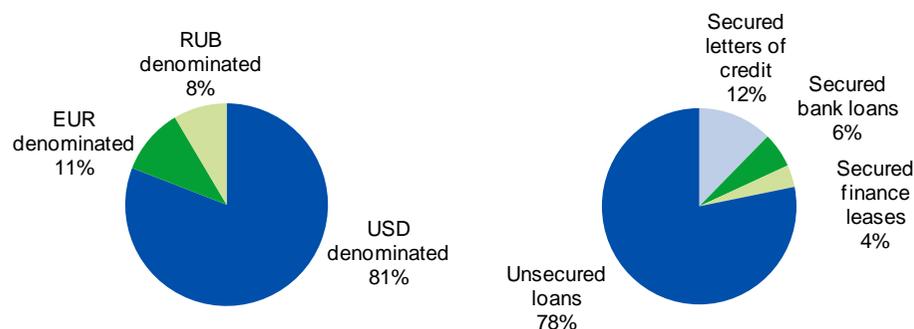
Note: Applied average USD/RUB exchange rates: 24.86 (2008), 31.72 (2009), 30.37 (2010), 29.3875 (2011).

USD/RUB exchange rate at the dividend payout start date (January 16, 2012): 31.9344

## Total Debt / EBITDA and Net Debt <sup>(1)</sup> / EBITDA



## Types of debt instruments <sup>(3)</sup>



## Net Debt

Actual Net Debt as of 30 June 2011 (USD in millions)

Total Debt, incl.:	953
Short-term debt	408
Long-term debt	545
Cash and cash equivalents	(248)
<b>Net Debt</b>	<b>705</b>

Source: PhosAgro

Note: Applied end-of-period USD/RUB exchange rate of 28.08 (1H2011)

(1) Net debt is calculated as total loans and borrowings minus cash and cash equivalents

(2) Based on annualized EBITDA

(3) As of June 30, 2011. Includes secured bank loans, unsecured bank loans and letters of credit. Total loans and borrowings US\$953mn

## 4. Future potential



# Short and medium term strategy for future growth

## Strategic objectives

## Key initiatives

**Short term**

**1 Improve efficiency**

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**2 Expand fertiliser production capacity and enter higher value segments**

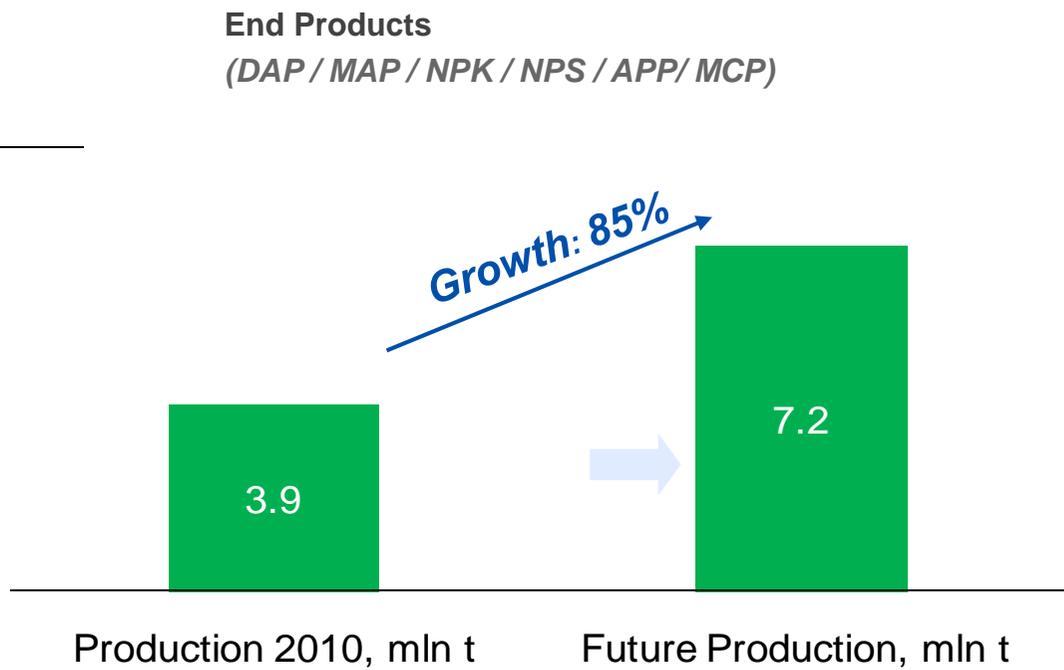
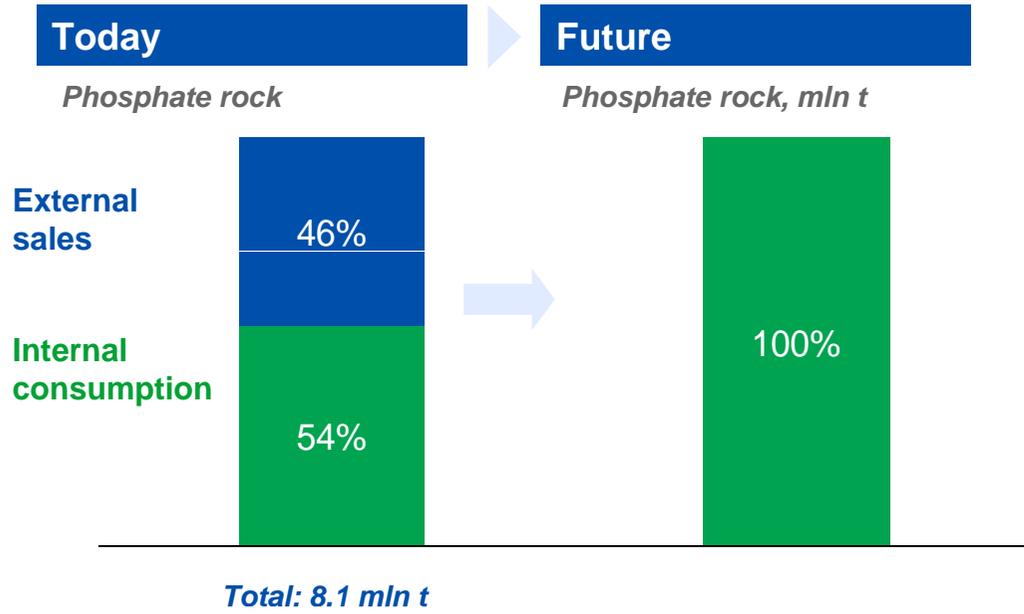
- Construction of shaft No. 2 at Kirovsky Underground Mine which will increase the production of apatite-nepheline ore from 12 to 14 mln t from the year 2014
  - Construction of a new 32 MW gas-powered electricity generation facility in Cherepovetsky Azot
- 
- Increase urea production capacity by 500 kt at Cherepovetsky Azot - May 2012
  - Enter the technical phosphates and SOP (sulphate of potash) markets through the integration of Metachem products (recently acquired 24% stake in the company)
  - Commence production of purified phosphoric acid at Metachem

**Medium term**

**3 Realize full potential of ore**

Mineral	Application	Development Stage	Production	
			Today	Future
<b>Apatit</b>				
• Rare Earth Oxides	• Autocatalysts, fuel cells • High strength magnets, ceramics • Fiber optics, lasers		-	7k t
<b>Nepheline</b>				
• Aluminium Oxide	• Alumina, Cement, Catalysts		1.0 mln t	6.0 mln t
• Potassium carbonate • Soda Ash • Potassium Sulfate	• Glass production, agriculture, household chemicals		0.25 mln t	1.50 mln t
• Gallium Oxide	• Electronic engineering, lasers, lubricants			

# Long term strategy for volume growth of fertilisers



Source: PhosAgro



**Thank You**