



# Goldman Sachs Global Natural Resources Conference

6-7 of November 2013



# PHOSAGRO

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### PhosAgro at a glance

# World class integrated phosphate producer

- #1 global producer of high-grade phosphate rock
- #2 global DAP/MAP producer<sup>(1)</sup>
- Overall fertiliser capacity of 6.1 mln t

Large high quality apatite-nepheline resources

- 2.1 bln t of ore resources<sup>(2)</sup> (over 75 years of production)
- Al<sub>2</sub>O<sub>3</sub> resource of 283 mln t
- Substantial resources of rare earth oxides (41% of Russian resources <sup>(3)</sup>)

Self-sufficiency in key feedstocks provides for low costs

- 100% self-sufficient in phosphate rock
- 72%-90% self-sufficient in ammonia<sup>(4)</sup>
- More than 40% self-sufficiency in electricity

## Flexible production and sales

- Flexible production lines
- Phosphate fertiliser capacities of 4.2 mln t,
   1.8 mln t fully flexible into NPK production
- Leader in Russian fertiliser market growing twice faster than the world consumption
- Net back driven sales model with a global presence

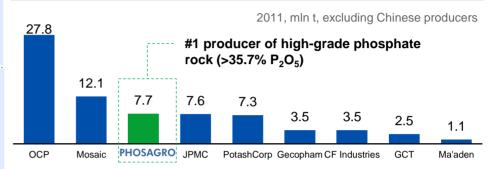
## Strong financial performance

- EBITDA of \$1,116 mn and \$432 mn in 2012 and in H1 2013, respectively
- Net debt/EBITDA: 1.10x

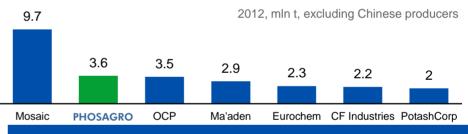
#### Note: (1) Excluding Chinese producers

- (2) PhosAgro, IMC as of June 2011
- (3) Russian Academy of Science
- (4) self –sufficiency depends on the composition of the products produced by PhosAgro Source: IFA, CRU, companies data, PhosAgro

#### Leading global phosphate rock producers (by production)



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



### DAP Price Dynamics vs EBITDA margin, average DAP price change (%)



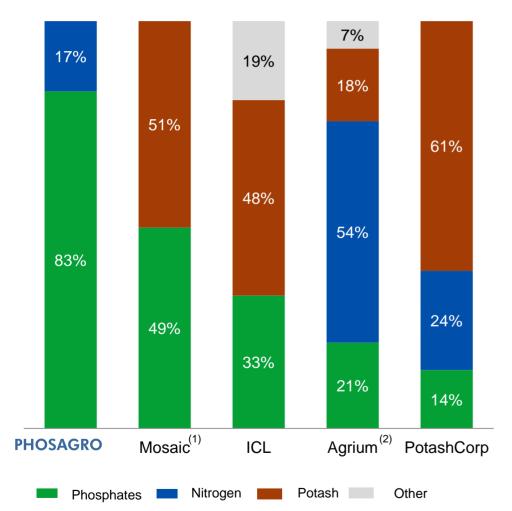
Source: Argus-FMB, CRU, IFA, companies' data, PhosAgro



## The only pure play phosphates producer

### Gross profit breakdown by segment

Average gross profit breakdown by segment for 2011-2012

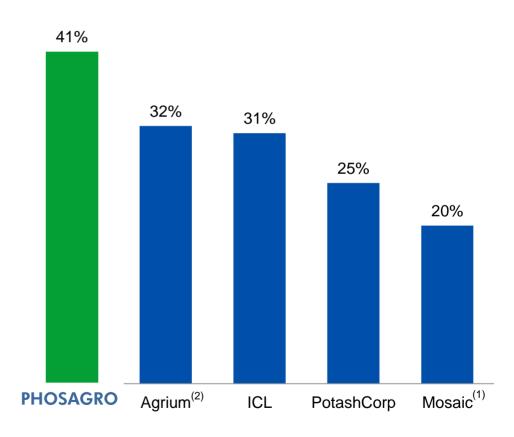


Source: Companies' reports Note: (1) Calendarised

(2) Excluding resale, retail and advanced technologies

### Phosphate segment gross profit margin

Average gross profit margin of phosphate segment for 2011-2012

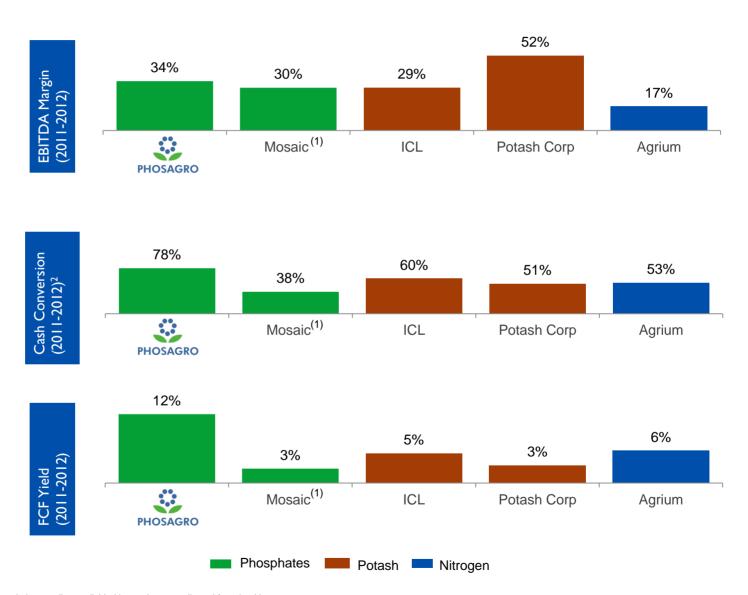


Source: Companies' reports Note: (1) Calendarised (2) Wholesale



## PhosAgro Benchmarks Favourably Against Key Competitors

- PhosAgro compares well against its global peers on EBITDA margin and Cash Conversion basis
- PhosAgro strongly outperformed all major peers in terms of FCF Yield basis



Source: Companies' reports, Bloomberg

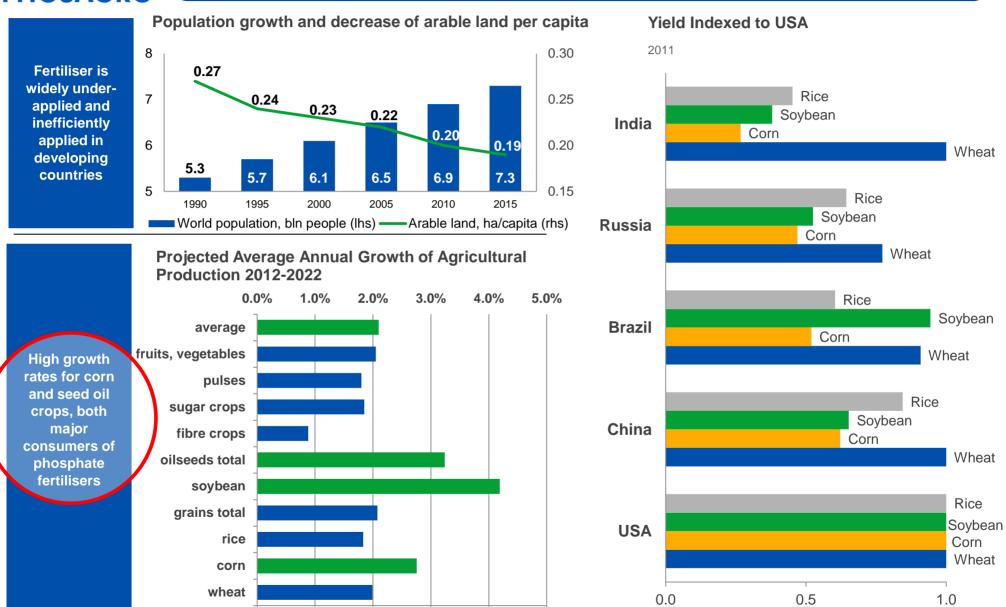
Note: (1) Calendarised

(2) Calculated as operating cash flow minus capital expenditures divided by net income adjusted for minorities



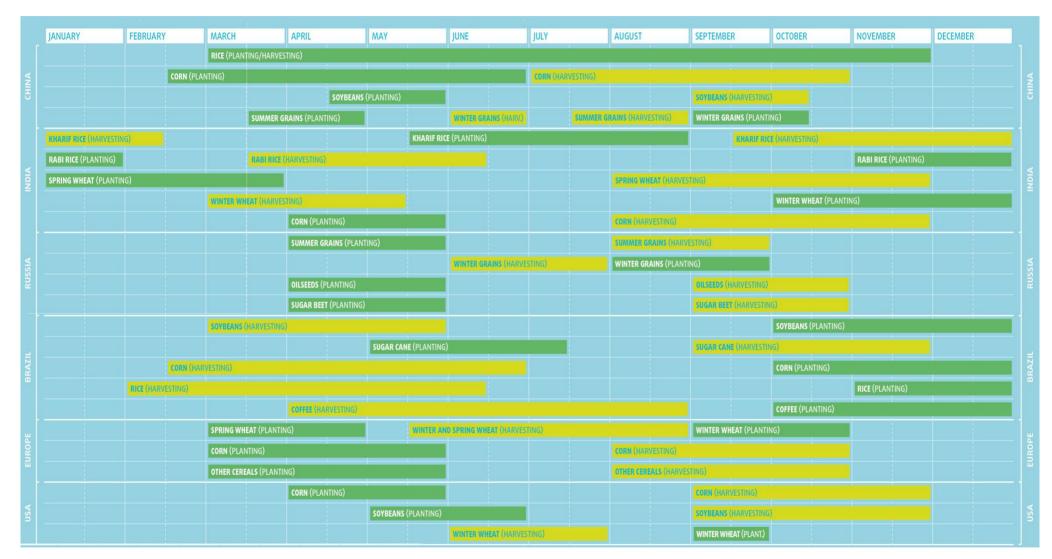


## Strong demand fundamentals for fertilisers





## Annual Cycle of Seeding and Planting in Key Agricultural Regions

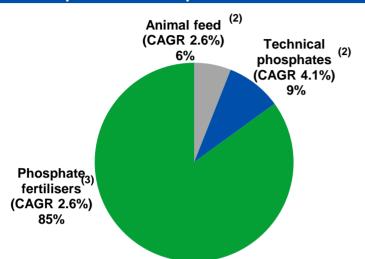


Source: USDA, PhosAgro



## Phosphorus is essential for life

### Phosphorus consumption structure (1)



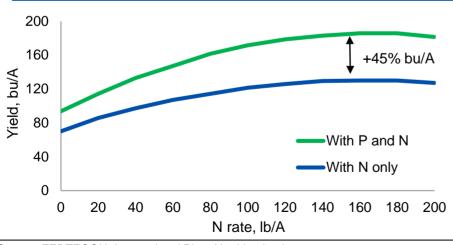
### Phosphate fertilisers – 85%<sup>(1)</sup> with CAGR of 2.6%<sup>(3)</sup>



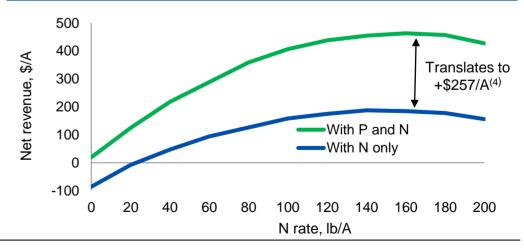
Without phosphate fertilisers

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

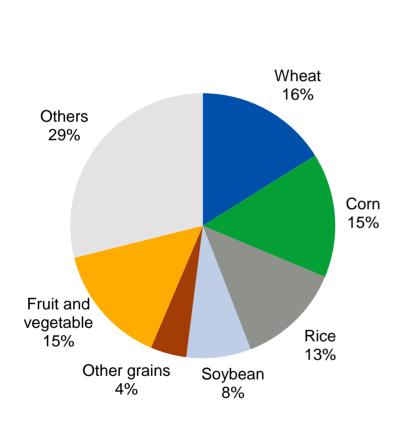
Note: (1) total phosphorus consumption

- (2) CRU forecast for 2010-2020
- (3) IFA forecast for 2012-2016 (4) as corn price of US\$ 5

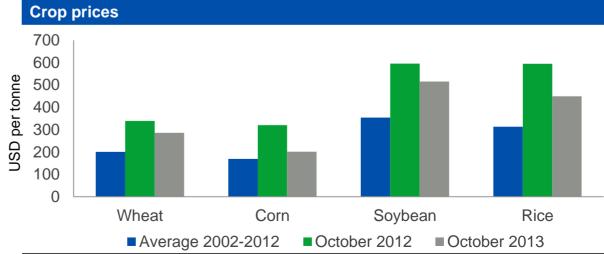


## Stock-to-use ratios for the key phosphate-using crops are at low levels driving crop prices

### Phosphate fertiliser use by crop



#### World grain stocks-to-use ratios, % 20 year 20 vear 30% 20 year average average average 20 year 25% average 20% 15% 10% 2011/12 2012/13 2013/14 2011/12 2012/13 2013/14 2011/12 2012/13 2013/14 2010/11 2011/12 2012/13 2013/14 2010/11 2010/11 2010/11 2009/10 2009/10 5% 0%



Rice

Soybean

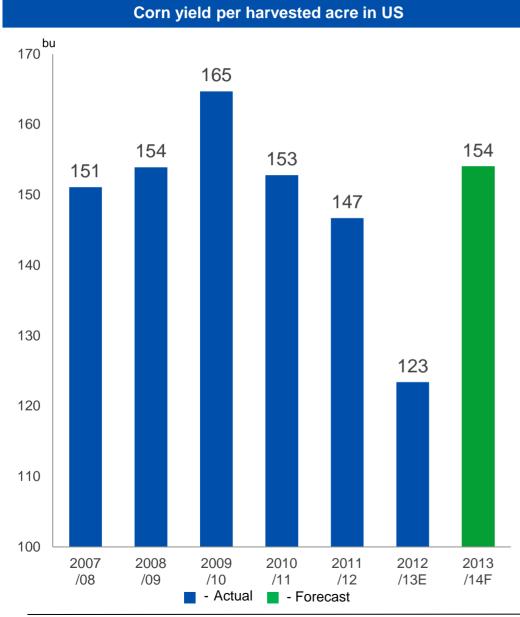
Corn

Source: USDA, FAO

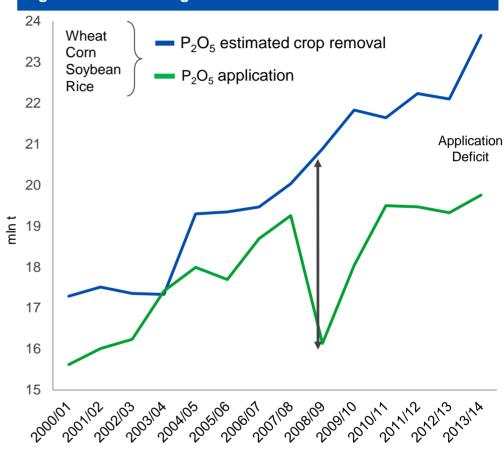
Wheat



## Significant room for further growth of use of phosphate fertilisers



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



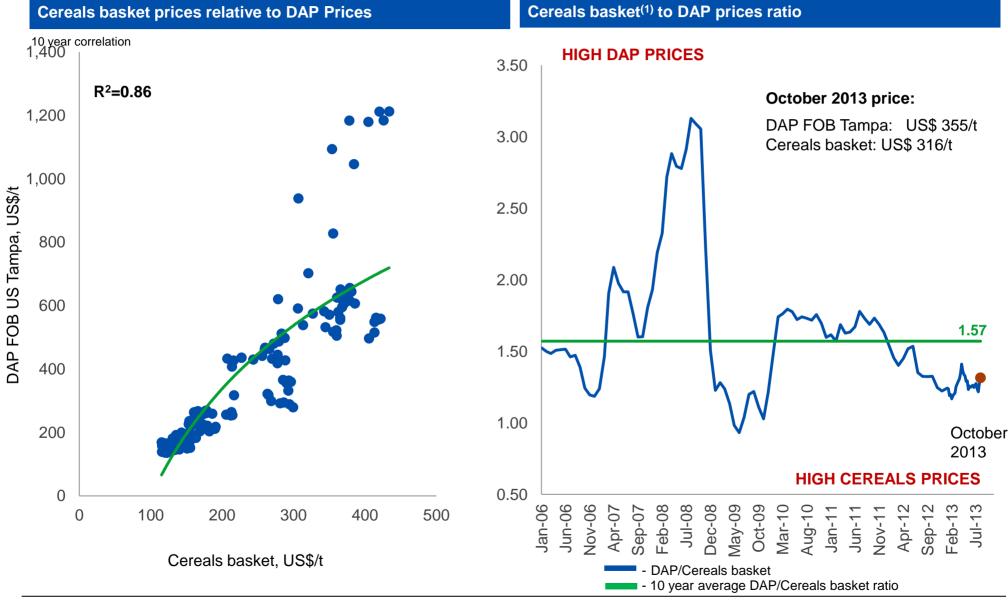
### **Nutrient removal rate**

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

Wheat	Corn	Rice	Soybeans	
11.3	6.7	6.4	16.7	



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





## 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



15.1 mln t (12.9% P2O5)



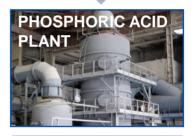
4.38 mln t (39% P2O5)



1.32 mln t



4.0 mln t



1.62 mln t



746 mln m<sup>3</sup>



0.68 mln t



**Outbound Logistics** 



0.75 mln t



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

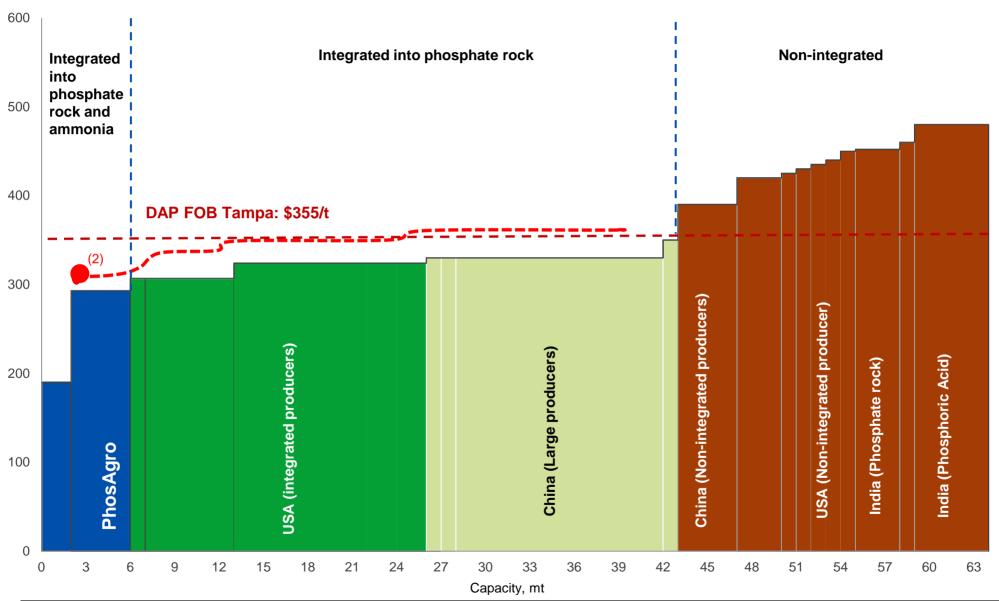
### Production/resources of phosphate rock, natural gas and sulphur

	Bagian	Phosphate Rock, mln t		Natural Gas, bln cm		Sulphur, k t	
	Region	Production	Resources	Production	Resources	Production	Import
	World	180.7	65,000	3,276	208,400	77,184	28,600
1	Russia	10	4,300	607	44,600	7,305	0
2	USA	27.6	1,400	651	8,500	9,091	3,066
3	Saudi Arabia	5*	7,690	100	8,200	3,200	0
4	Canada	1.0	2.0	161	2,000	7,091	0
5	China	75.1	3,700	103	3,100	15,626	10,085
6	Kazakhstan	1.5	3,100	19	1,900	2,857	0
7	Mexico	1.4	1,000	53	400	1,374	368
8	Iraq	-	5,800	2	3,600	125	0
9	Australia	2.0	250	45	3,800	991	513
10	Peru	2.2	1,453	11	400	490	0
11	Brazil	6.1	310	17	500	522	1,952
12	India	2.1	85	46	1,200	2,776	1,807

Source: USGS, IFDC, BP, PhosAgro



## Estimated DAP production cash cost curve (US\$/t, FOB) in Oct 2013(1)



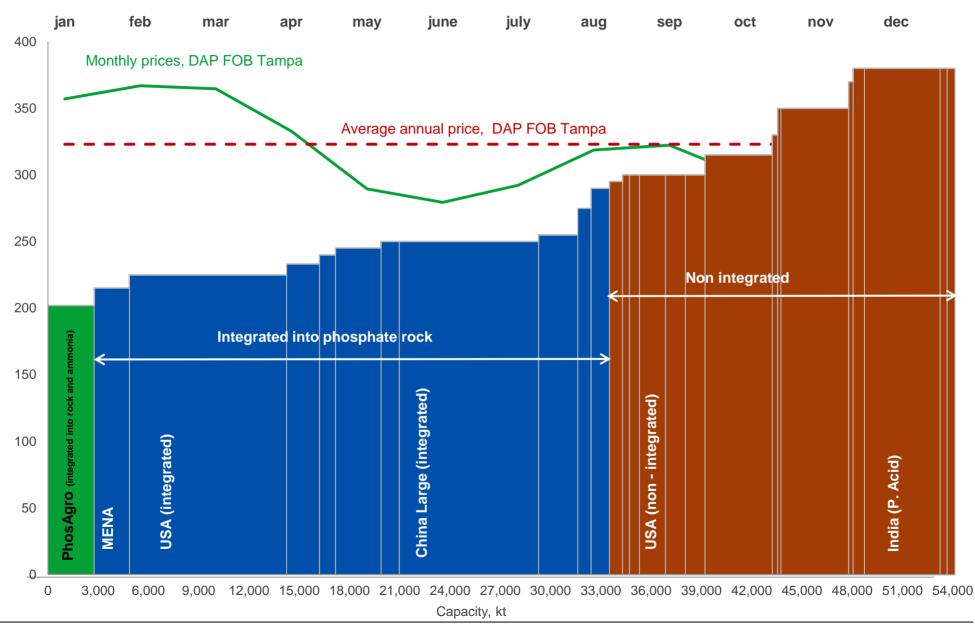
Source: companies data, CRU, Argus-FMB, China Fert Market Weekly, PhosAgro

Note: (1) DAP cash cost estimations are based on feedstock prices as of October 2013

<sup>(2)</sup> PhosAgro actual cash costs as per Oracle OEBS data/ circa peer cash costs, including SG&A, etc.

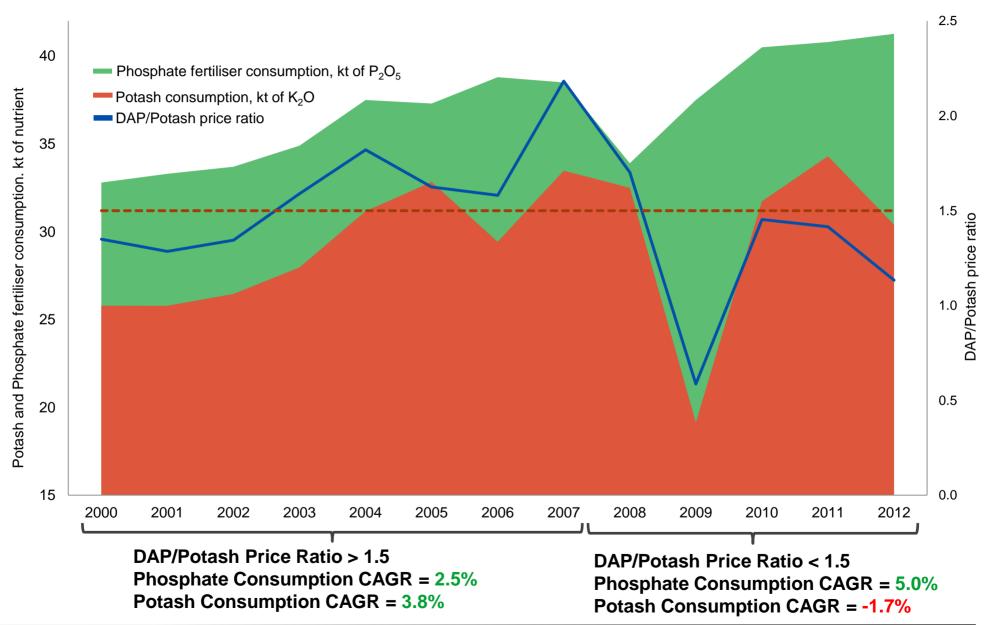


## Estimated DAP production cash cost curve (US\$/t, FOB) in 2009





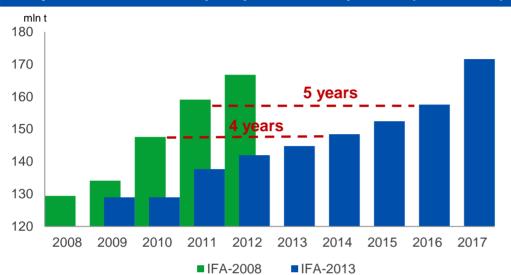
### DAP/Potash price ratio vs Phosphate and Potash consumption



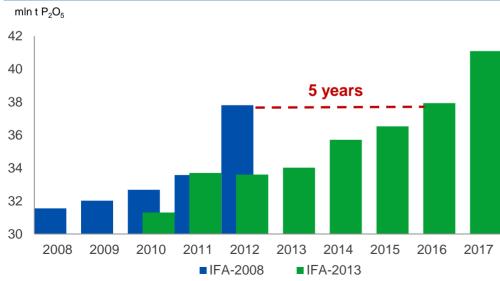


## Commissioning phosphate rock and phosphoric acid capacities

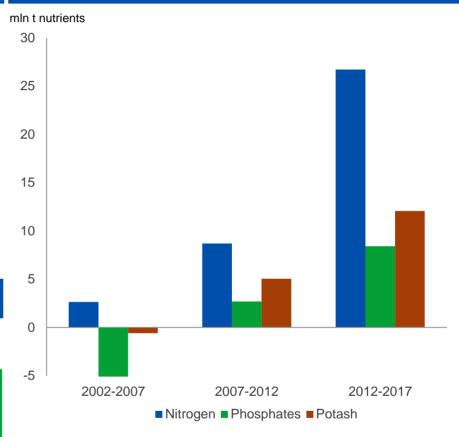
### Delays in addition of new phosphate rock capacities (excl. China)



## Delays in commissioning phosphoric acid capacities (excl. China)



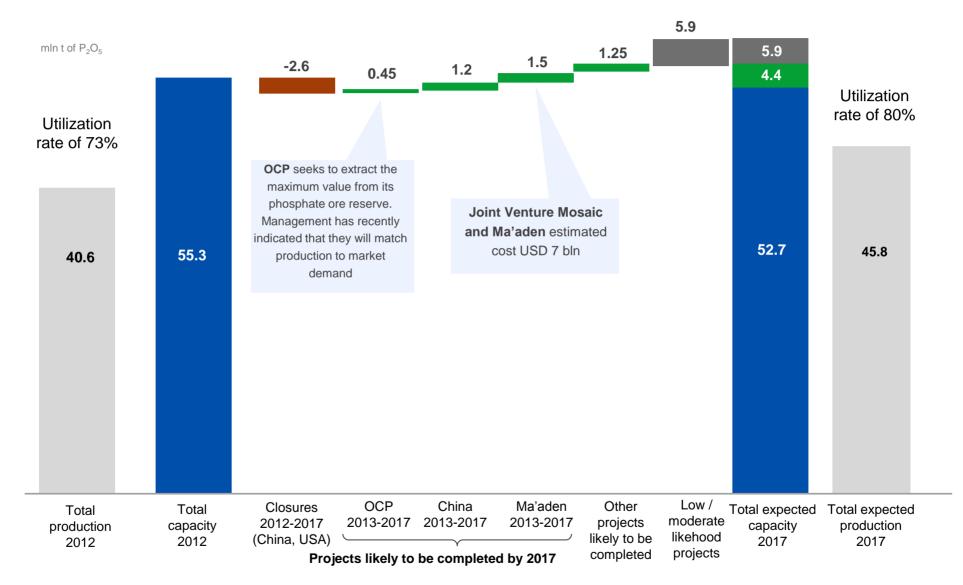
### Changes in world fertiliser capacities (excl. China)



- Less new projects are announced in phosphates
- Commissioning of new capacities is delayed
- Shutdown in phosphate fertiliser capacities was more significant while less new commissioning in the past 5 years in comparison with nitrogen and potash sectors



## Timing and completion of new capacities is uncertain



Note: (1) Projects with low / moderate likelihood of completion by 2016 Source: CRU, companies' data





## Control of world's premium phosphate resource base

Location <sup>(1)</sup>	PHOSAGRO Russia	Morocco	USA	Jordan	★: China	<b>©</b> Tunisia
World Phosphate Rock Reserves, billion t	2.1	50	1.4	1.5	3.7	0.1
Ore type	Igneous	Sedimentary	Sedimentary	Sedimentary	Sedimentary	Sedimentary
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
Minor Element Ratio (MER) <sup>(2)</sup>	0.02-0.04	0.02-0.04	0.05-0.1	0.02-0.03	More than 0.05	0.05
Cadmium content <sup>(3)</sup>	Less than 0.1	15-40	9-38	5-6	2	40
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
Positive effect on quality Negative effect on quality						

Source: CRU, IMC, USGS 2011

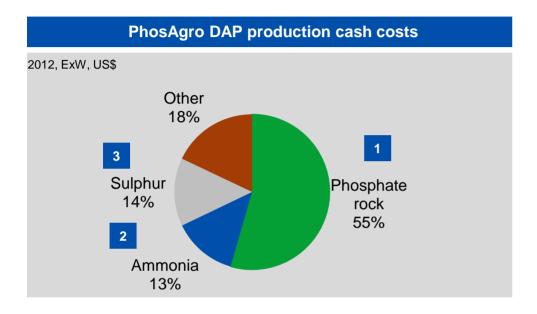
<sup>(1)</sup> Primary global DAP/MAP producing regions

<sup>(2)</sup> Average Minor Element Ratio (MER) greater than 0.1 not sustainable for production of high quality DAP

Average cadmium content in ppm

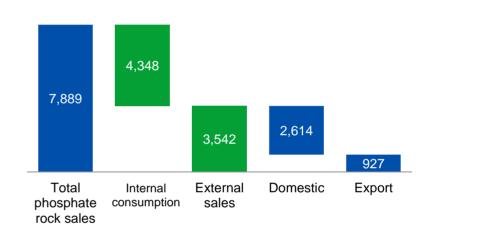


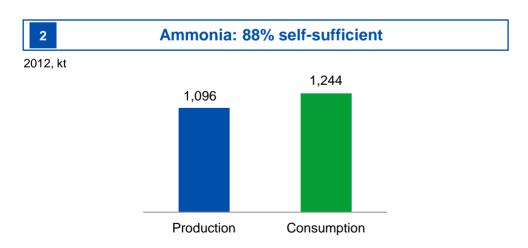
## Self-sufficiency in key feedstocks





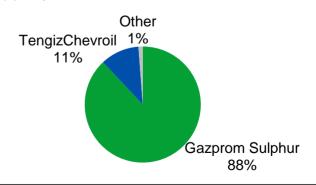
2012, kt







Sulphur suppliers in 2012



Source: PhosAgro



### Flexible business model

### Flexible business model

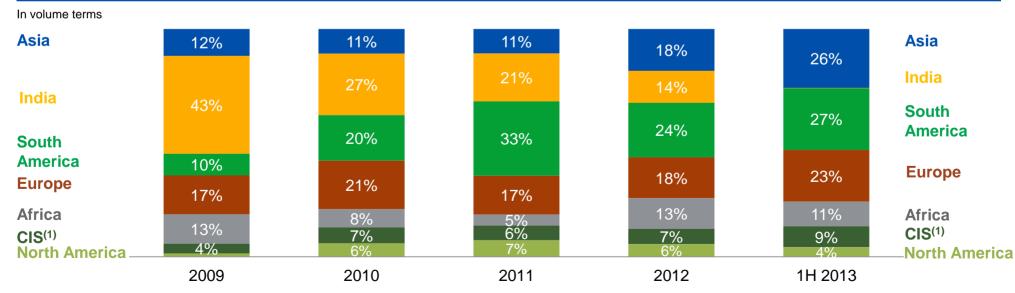
FLEXIBLE PRODUCTION CAPABILITIES

LOGISTICS ALTERNATIVES

NETBACK-DRIVEN
SALES
PRIORITISATION
SYSTEM

EXPORT SALES NOT TIED TO OVERSEAS DISTRIBUTION NETWORK

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

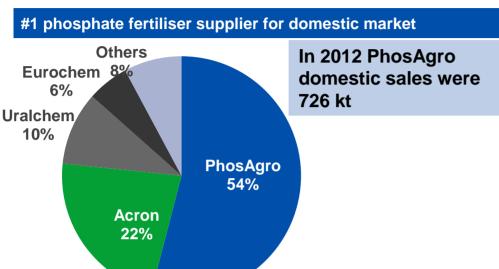


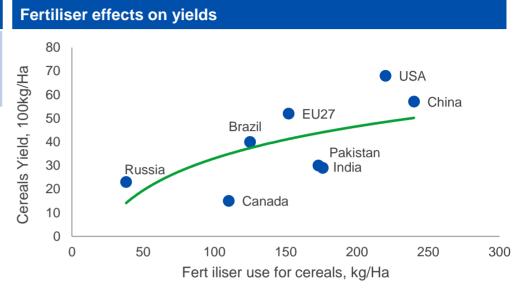
Source: PhosAgro

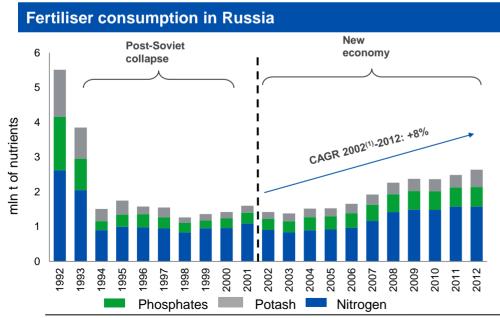
Note: (1) Excluding Russia

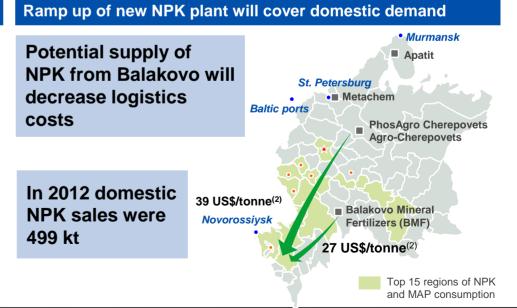


## PhosAgro - the main phosphate fertiliser supplier for domestic market





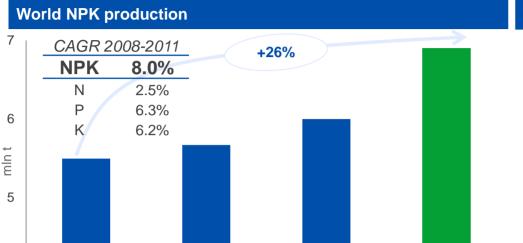




Source: IFA, World Bank, Azotecon, FAO, PhosAgro Note: (1) First full year of PhosAgro operations



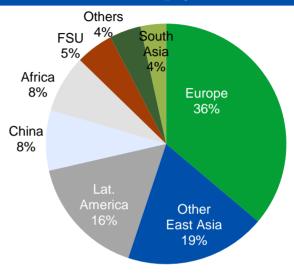
## PhosAgro's flexible model meets global demand for NPK



2010

2011E

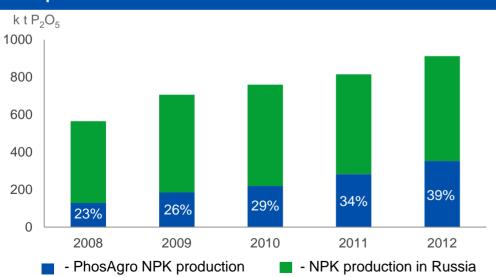
### World NPK imports: ~2 mln t of P<sub>2</sub>O<sub>5</sub> per annum<sup>(1)</sup>



### **NPK** production in Russia

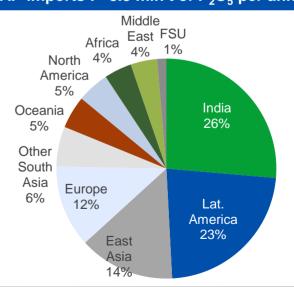
2008

4



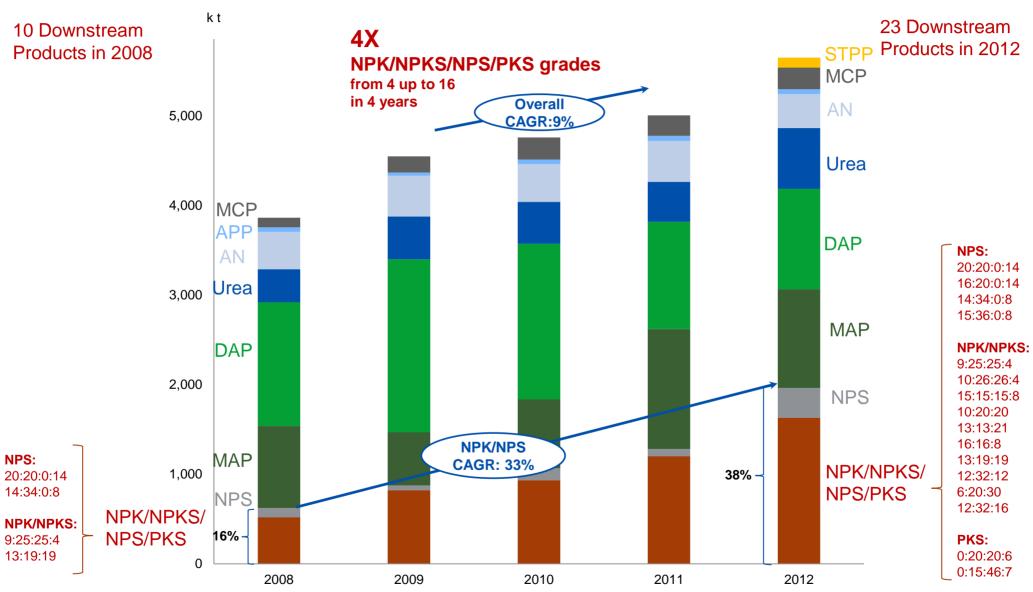
2009

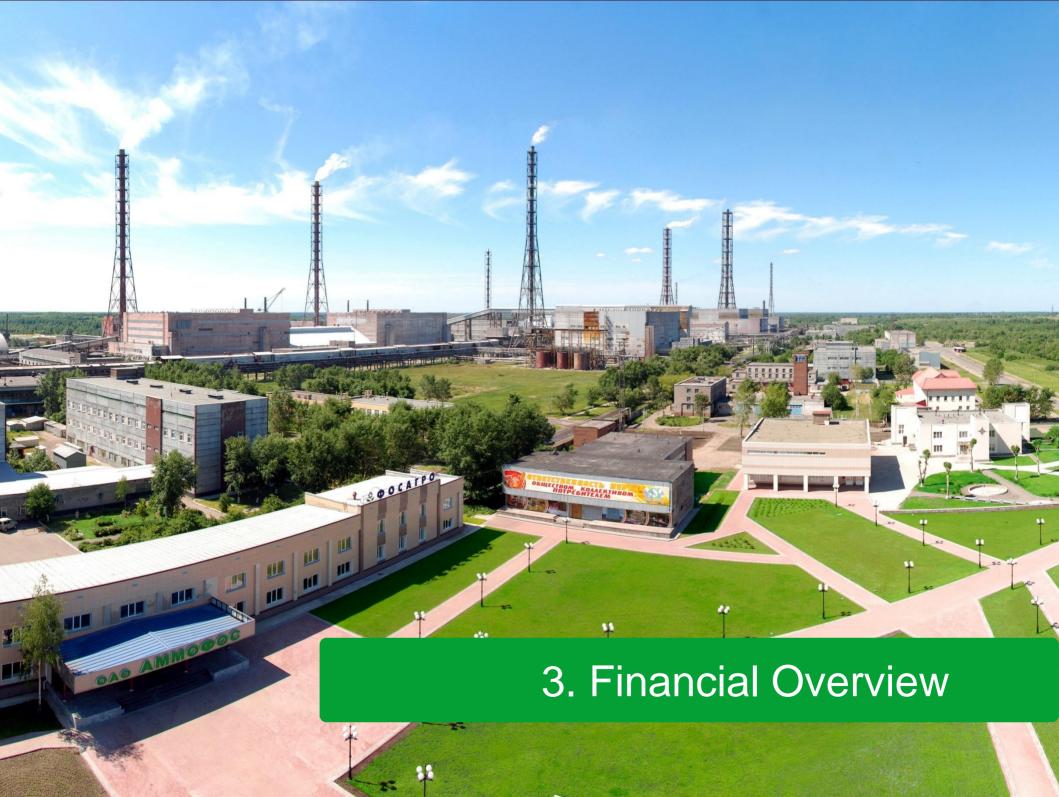
### World DAP/MAP imports: ~8.5 mln t of P<sub>2</sub>O<sub>5</sub> per annum<sup>(1)</sup>





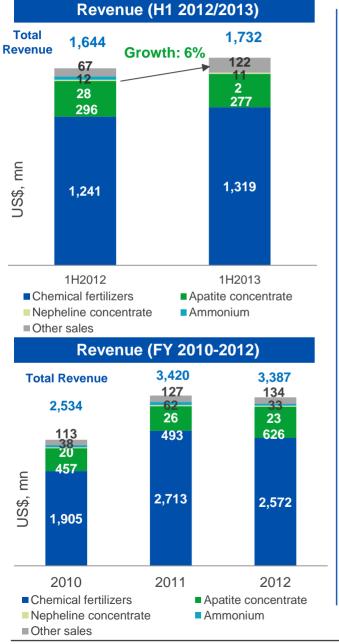
## NPK High Margin Demand Drives PhosAgro's production mix

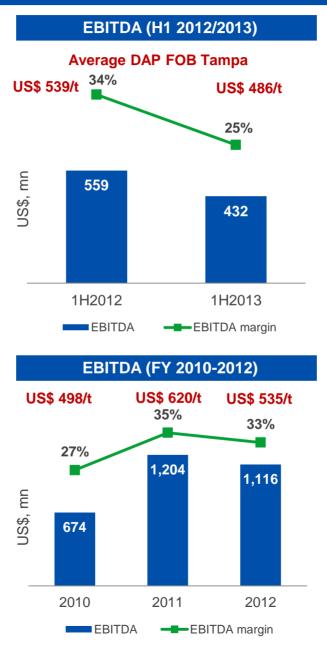


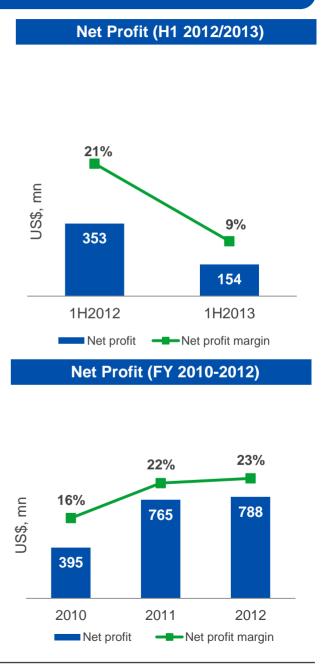




### Revenue, EBITDA and Net Profit



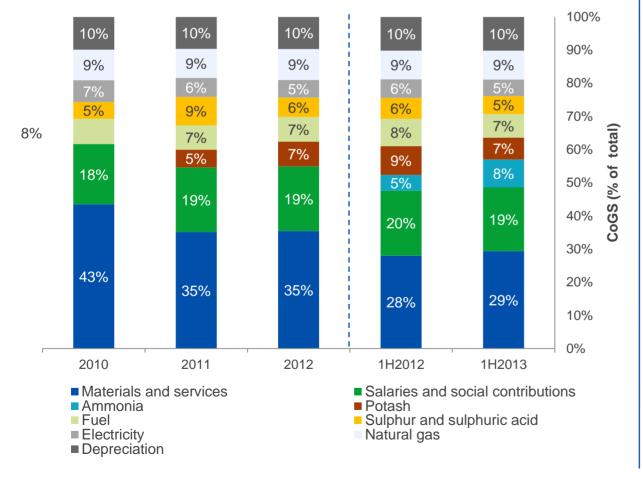






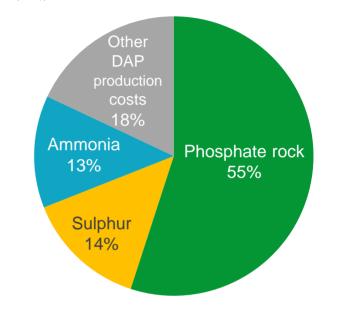
### Cost of Goods Sold

#### **Cost of Goods Sold and Sales Volumes** Sales (kt) 2010 2011 2012 1H2012 1H2013 Fertilisers(1) 3.842 4.062 4.243 2.123 2,307 Phosphate Rock 3,712 3,153 3,542 1,677 1,479



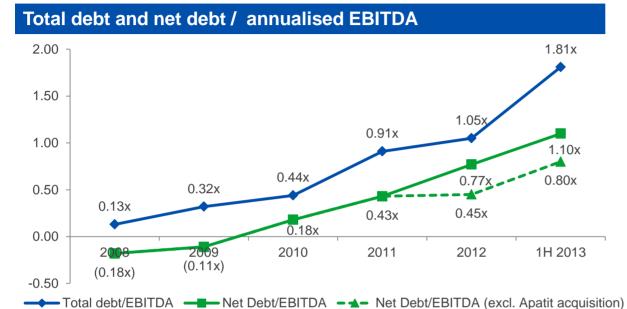
### **DAP** production cash cost breakdown

ExW, US\$, 2012









#### **Public debt**

#### **Eurobonds issued on February 2013 (LPN)**

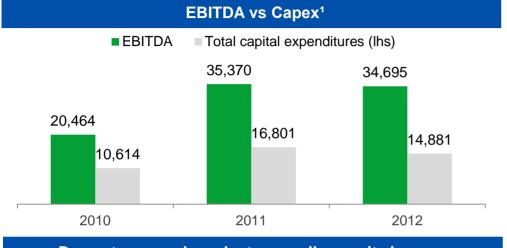
Issue size		\$US 500 mln		
Corporate ratings	Baa3 Moody's	BBB- S&P	BB+ Fitch	
Tenor			5 years	
Coupon frequency Ser			mi annually	
Spread	mid swaps+ 320 bps UST + 335.8 bp			
Coupon rate			4.204%	
Maturity Date			02/13/2018	

### Comment

- PhosAgro carefully manages its balance sheet and cost of financing for all current initiatives, including both the consolidation of subsidiaries and growth projects
- Net debt / annualised EBITDA temporarily increased to slightly above the target level of 1x due to the significant cash outflow for the Apatit minority shareholder buy-out as result of mandatory tender offer, which was funded through PhosAgro's successful long-term, USD 500 million debut Eurobond issue
- Excluding effect of Apatit buyout (under normal course of business), net debt/EBITDA would be 0.80x at 30 June 2013
- A group of PhosAgro shareholders completed a secondary public offering of existing shares and GDRs, which was followed by an additional share issue by PhosAgro in which the selling shareholders re-invested 45% of the proceeds from the SPO, giving the Company an additional USD 210 million of financing in April 2013



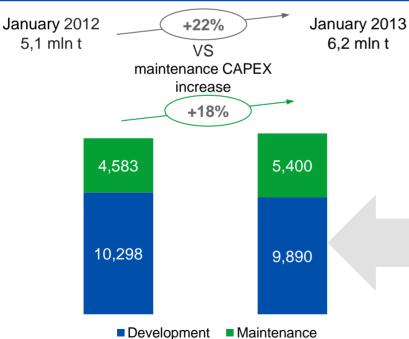




### Major expansion projects

	Project	RUB mln	To be spent over
	PKS production facility 100 kt pa at Metachem	303	2013 - 2015
	NPK production facility 450 kt pa capacity at	6,325	2013 - 2016
760	v ammonia plant with kt pa capacity at sAgro-Cherepovets.	23,447	2013 - 2016
	Including licensing and engineering feasibility which will be added to CAPEX as soon as contract is signed	2,581	

### Downstream end-products overall capacity increase





**Dividends** 

## **Dividend Policy**

Post-IPO dividends RU	r share, B	per GDR, US\$	
2011 April-December	57.5	0.61	
9M 2012	63	0.67	
Final 2012 Dividend	19.9	0.21	
2012 Total	82.9	0.88	
1H2013	15.45	0.16	

- Dividend per share increased 44%
- Dividend policy aimed at paying dividends of between 20% and 40% of annual consolidated net income
- Post-IPO dividend yield > 7%\*
- calculated in accordance with IFRS
- Total post-IPO payout ratios: 49% from net profit attributable to shareholders; 42% from total net profit
- Board of Directors has recommended RUB 2.5 bln final dividend for 2012
- October 12, 2013 an extraordinary general meeting of shareholders approved a dividend payment of RUB 15.45 per share (RUB 5.15 per GDR)

paid	RUB bln
2011	7.2
2012	10.3
Total	17.5

Dividends.

Post-IPO dividends

Total paid

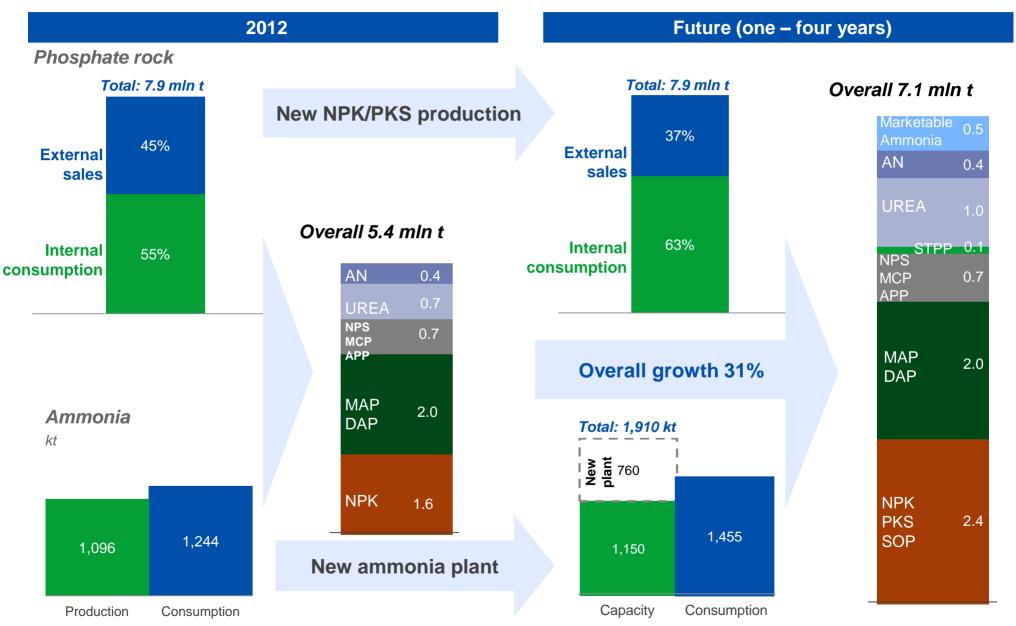
Source: PhosAgro

<sup>\*</sup>Based on average GDR price for 2012 of USD 11.65





## Long term strategy for volume growth of fertilisers



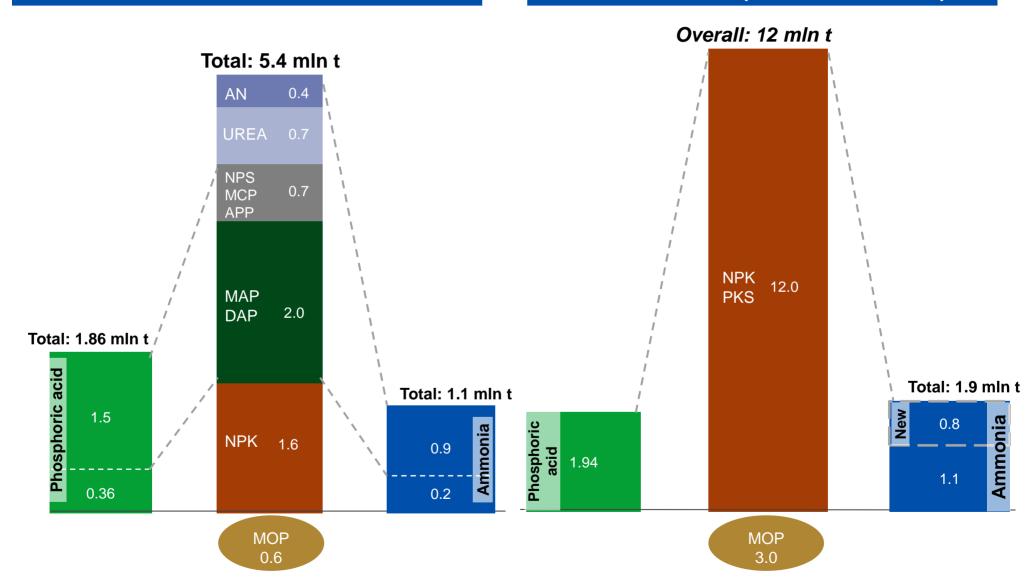
Source: PhosAgro



## Long-term NPK potential



### Potential NPK/PKS production of 12 mln tpa



Source: PhosAgro 34





# Thank You







## High quality production assets

#### Resources(1) **Apatit**

Apatite-nepheline ore: 2 060 mt Al<sub>2</sub>O<sub>3</sub>: 283 mln t



#### Capacity by product

REO(2): 7.5 mln t

Phosphate rock: 7.8 mln t Nepheline: 1.7 mln t

#### **Highlights**

- Largest standalone global producer of high grade phosphate rock(3)
  - Standard grade P<sub>2</sub>O<sub>5</sub> content of 39%
  - Superior grade P<sub>2</sub>O<sub>5</sub> content of 40%
- Lowest hazardous element content among the major phosphate rock producing regions; benefits from low levels of radioactivity

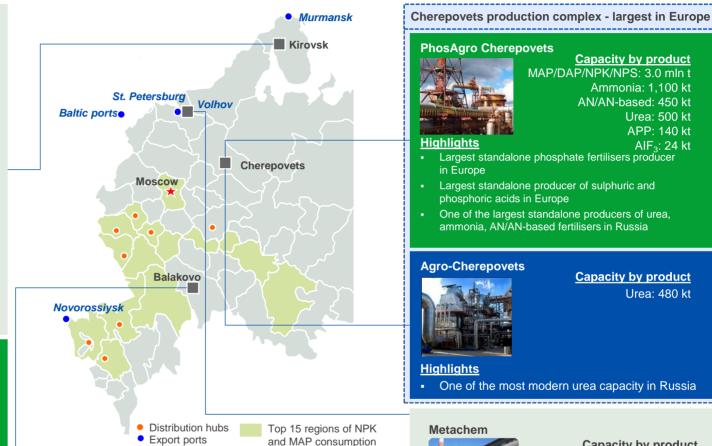
#### **Balakovo Mineral Fertilisers (BMF)**



Capacity by product MAP/DAP/NPS: 1.2 mln t Feed phosphate (MCP): 240 kt

#### **Highlights**

- Leading European producer of feed phosphate MCP
- The only Russian producer of MCP



#### **PhosAgro Cherepovets**

Capacity by product

MAP/DAP/NPK/NPS: 3.0 mln t Ammonia: 1.100 kt

AN/AN-based: 450 kt

Urea: 500 kt

APP: 140 kt

AIF<sub>2</sub>: 24 kt

- Largest standalone phosphate fertilisers producer
- Largest standalone producer of sulphuric and phosphoric acids in Europe
- One of the largest standalone producers of urea, ammonia, AN/AN-based fertilisers in Russia

#### **Agro-Cherepovets**



Capacity by product

Urea: 480 kt

#### **Highlights**

One of the most modern urea capacity in Russia

#### **PhosAgro-Trans** (Transportation)

 Operates around 7.000 rail cars, of which the majority are mineral hoppers

#### **PhosAgro-Region** (Domestic distribution)

 Owns and operates eight distribution centres in Russia located in proximity to major agricultural regions of Russia (processed over 1.2mn tonnes in 2012, largest distributor in Russia)

#### Metachem



Capacity by product

Sulphuric acid: 215 kt Phosphoric acid: 80 kt of P<sub>2</sub>O<sub>5</sub> Sulphate of potash (SOP): 80 kt

Sodium tripolyphosphate (STPP): 130 kt

#### **Highlights**

- Unique SOP granulating technology in Russia
- Close proximity to Saint-Petersburg sea port

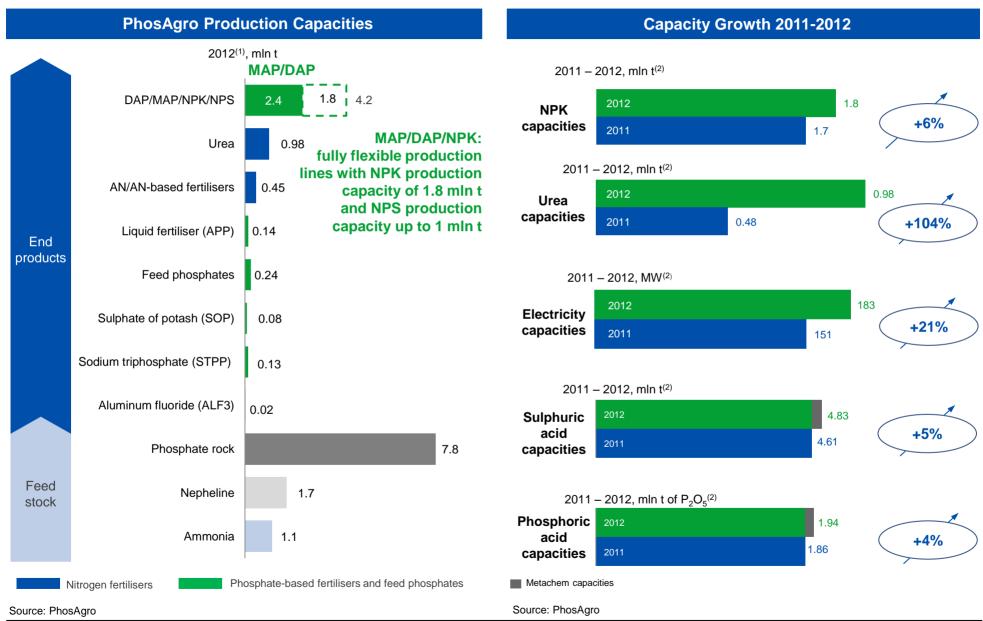
Source: PhosAgro (capacity as of December 31, 2011), CRU, European Commission

Note: (1) Measured and indicated, PhosAgro, IMC, JORC report June 2011

- (2) Rare earth oxides
- (3) Defined as phosphate rock with P<sub>2</sub>O<sub>5</sub> content over 35.7%

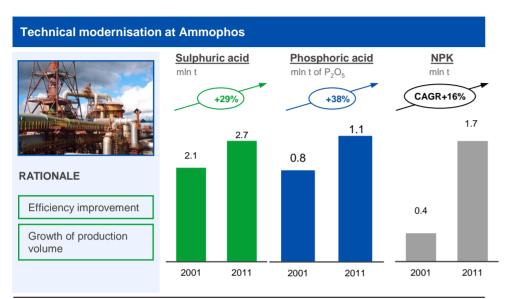


# Flexible Production Capacity





# Management with strong track record of organic growth and efficiency improvement



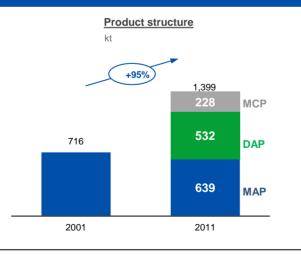
Source: PhosAgro

#### **Technical modernisation at BMF**



## Efficiency improvement

Product range expansion



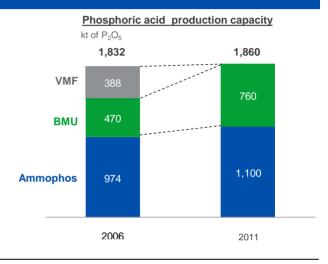
Source: PhosAgro

#### **Divestment of Voskresensk Mineral Fertilisers**



#### **RATIONALE**

Replacement of high cost old capacity with low cost new capacity



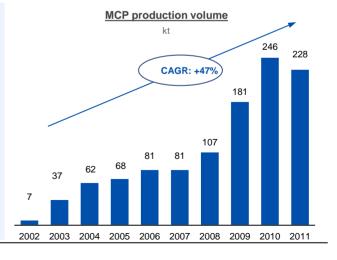
Source: PhosAgro

#### Launch of feed phosphate (MCP) production at BMF



#### **RATIONALE**

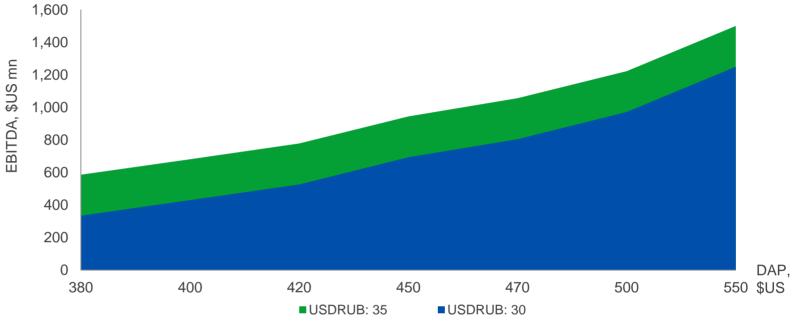
Launch of new value added product



Source: PhosAgro







in mln USD		2013E DAP FOB Baltic price, \$/tonne								
		380	400	420	450	470	500	550		
	30	334	430	526	693	804	971	1,249		
	31	391	487	583	750	861	1,028	1,306		
RUB/USD	32	444	540	636	803	914	1,081	1,359		
exchange rate	33	494	590	686	853	964	1,131	1,409		
	34	541	637	733	900	1,011	1,178	1,456		
	35	586	681	778	944	1,056	1,222	1,500		



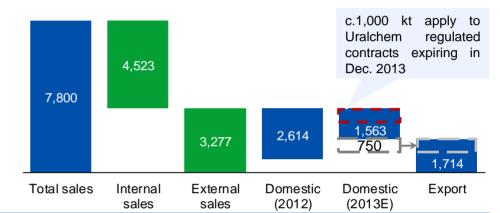
## Phosphate rock market liberalisation

#### **Comments**

- Before 2013 Russian domestic phosphate rock prices were inflated to PPI
- Starting from 2013, the liberalisation of the phosphate rock market takes effect
- In accordance with the new rules, domestic prices match export prices
  - However, in 2013 there will be a discount due to a 30% contribution of inflated domestic prices from the the previous year

## Projection of PhosAgro rock production breakdown in 2013

2013, kt



## Phosphate rock price under formulas recommended by Federal Antimonopoly Service

## Phosphate rock: 30/70 formula calculations case study

70% x Phosphate rock Morocco FOB Price x 1.32

+

30% x Phosphate rock last year domestic price x PPI

	Pł	าดร	sph	ate	r	OC	k:	3	5/	35	/3	80	fo	or	m	ul	a	C	al	Cι	ıla	at	io	n	S	C	as	se	9	iti	ud	ly
-																								-								-

35% x Phosphate rock Minimum Export Price

Contribution of minimum export price, US\$

+

35% x Phosphate rock Morocco FOB Price x 1.32

+

30% x Phosphate rock last year domestic price x PPI

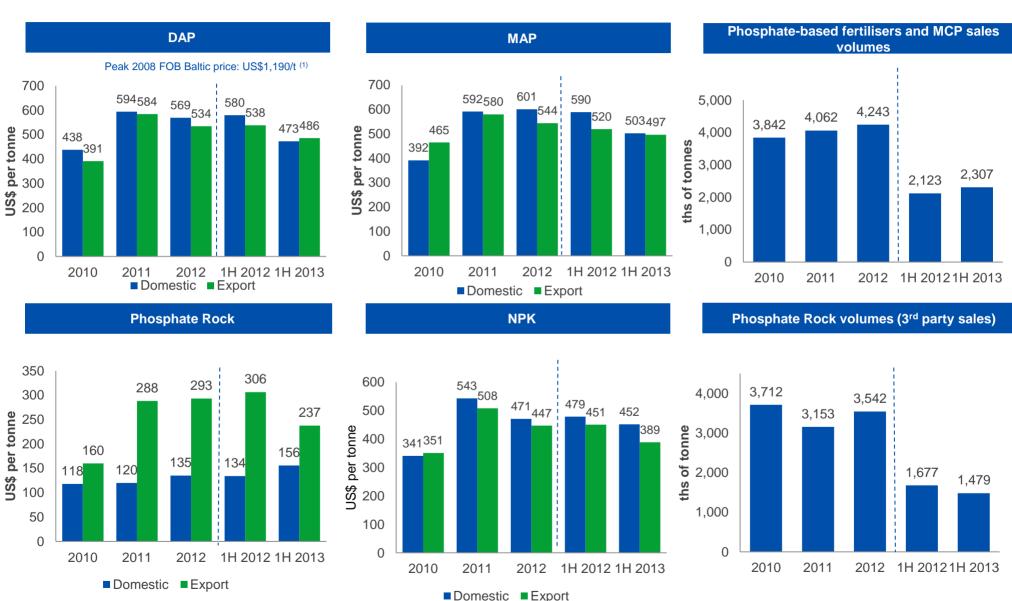
		Phosphate rock Minimum Export Price, US\$	233
Contribution of Moroccan Price, US\$	151	Contribution of Moroccan price, US\$	75
Morocco FOB price (Casablanca) as of 5 March 2013, US\$	163	Morocco FOB price (Casablanca) as of 5 March 2013, US\$	163
Contribution of Domestic Price, US\$(2)	44	Contribution of Domestic Price, US\$(2)	44
Phosphate rock price recommended by Federal Antimonopoly Service for 2013, US\$	195	Phosphate rock price recommended by Federal Antimonopoly Service for 2013, US\$	201

Source: PhosAgro

Note: (1) Applied RUB/US\$ exchange rate of 31.1, phosphate rock equaled to Apatit EXW less freight costs for transportation from Murmansk to Apatit (2) projected domestic price calculated as average 2012 price (RUB 4,301) multiplied by 2012 PPI (105.1%)



# Revenue per tonne and volume developments for key products





# Consolidated income statement

(USD in millions)	2010	2011	2012	1H 2012	1H 2013
Revenues	2,534	3,420	3,387	1,644	1732
Cost of Sales	(1,570)	(1,912)	(1,934)	(928)	(1118)
Gross Profit	964	1,508	1,453	716	614
Selling, General & Administration	(387)	(426)	(462)	(225)	(249)
Other Income (Expense)	(93)	(84)	(85)	(37)	(55)
Operating Profit	484	998	906	454	310
Financial Income (Costs)	31	(35)	98	(1)	(104)
Profit Before Taxation	515	963	1,004	453	206
Income Tax Expense	(120)	(198)	(216)	(100)	(61)
Profit from discontinued operations, net of tax	-	-	-	-	(9)
Profit for the Period	395	765	788	353	154
Margin	16%	22%	23%	21%	9%
EBITDA Calculation					
Operating Profit	484	998	906	455	310
D&A and impairment	190	206	210	105	122
EBITDA	674	1,204	1,116	559	432
Margin	27%	35%	33%	34%	25%

Source: PhosAgro (IFRS)
Note: Applied average USD/RUB exchange rates: 30.37 (2010), 29.39 (2011), 31.09 (2012), 30.64 (1H2012), 31.02 (1H2013)



# Consolidated balance sheet

(USD in millions)	2010	2011	2012	1H2013
Cash and Equivalents	173	526	318	583
Accounts Receivable	522	339	416	383
Inventory	253	314	406	394
Other Current Assets	108	66	40	25
Total Current Assets	1,056	1,244	1,181	1,385
Net Property, Plant & Equipment	1,525	1,774	2,190	2,160
Intangible Assets	25	20	18	16
Investments in Associates	307	246	317	304
Other Long-Term Assets	235	110	101	102
Total Non-Current Assets	2,092	2,150	2,626	2,582
Total Assets	3,148	3,394	3,807	3,966
Accounts Payable	329	379	430	464
Loans and borrowings	181	483	725	557
Derivative financial liabilities	-	14	-	2
Total Current Liabilities	511	876	1,155	1,023
Loans and borrowings	112	515	476	926
Defined benefit obligations	31	29	41	40
Deferred tax liabilities	89	89	98	93
Total Non-Current Liabilities	231	632	615	1,059
Total Liabilities	742	1,509	1,770	2,081
Equity attributable to Parent shareholders	1,911	1,360	1,629	1,692
Equity attributable to non-controlling interests	495	526	408	193
Total Liabilities & Equity	3,148	3,394	3,807	3,966

Source: PhosAgro (IFRS)

Note: Applied closing USD/RUB exchange rates: 30.37 (2010), 29.39 (2011), 30.37 (2012), 32.71(1H2013)



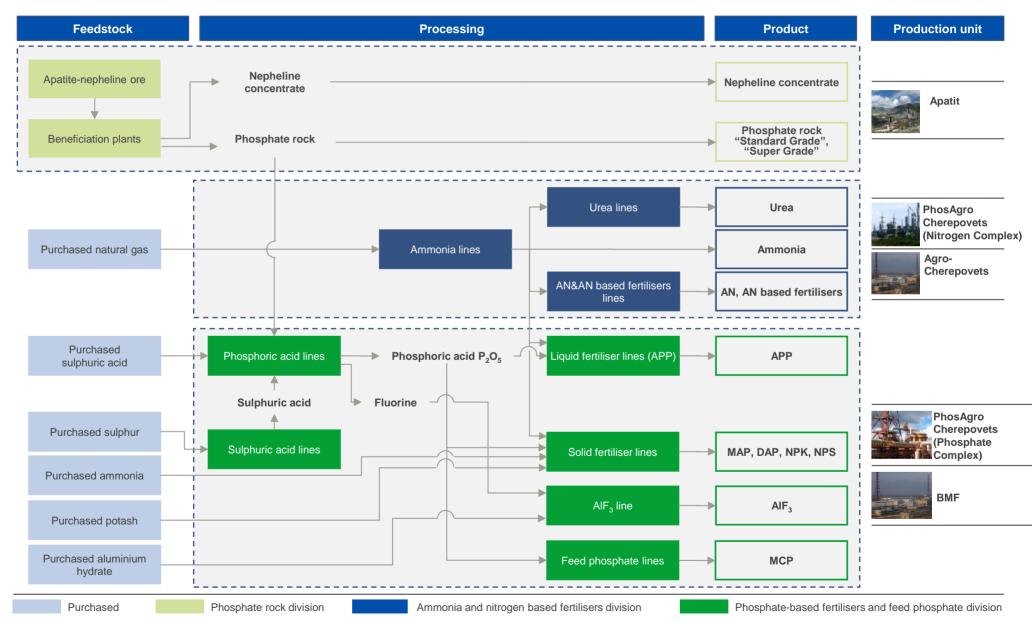
# Consolidated cash flow statement

(USD in millions)	2010	2011	2012	1H 2012	1H 2013
Profit before taxation	515	963	1,004	453	206
Depreciation, amortisation + reversal of impairment loss	190	206	210	105	123
Finance Costs	14	45	47	23	38
Finance Income	(50)	(28)	(67)	(41)	(17)
Other Other	(15)	16	(60)	16	106
Operating Profit before changes in Working Capital and Provisions	678	1,203	1,134	556	456
(Inc.) Dec. in Trade and other Receivables	(64)	153	(10)	61	(3)
(Inc.) Dec. in Inventory	(29)	(81)	(59)	(25)	(18)
Inc. (Dec.) in Trade and other Payables	20	40	29	(18)	110
(Inc.) Dec. in Net Working Capital	(73)	112	(40)	18	89
Cash flows from operations before income taxes and interest paid	605	1,315	1,094	574	545
Income tax paid	(97)	(184)	(229)	(127)	(57)
Finance costs paid	(10)	(29)	(46)	(17)	(24)
Cash Flow From Operating activities	498	1,102	819	430	464
Loans repaid/(issued)	(144)	106	(5)	13	18
Acquisition of property, plant and equipment	(429)	(439)	(430)	(218)	(230)
Acquisition of investments	(52)	(32)	(1)	(1)	(2)
Other	66	136	31	13	23
Cash Flows used in Investing Activities	(558)	(229)	(404)	(193)	(191)
Proceeds from borrowings	697	1,326	687	496	787
Repayment of borrowings	(530)	(681)	(513)	(341)	(545)
Dividends paid	(110)	(1,155)	(394)	(188)	(143)
Other Other	(9)	33	(425)	(18)	(77)
Cash Flows used in Financing Activities	49	(476)	(644)	(51)	22
Net decrease/increase in Cash and Equivalents	(12)	396	(229)	186	295
Cash and Equivalents at beginning of the year/period	186	173	526	526	311
Effect of exchange rate fluctuations	(1)	(43)	14	(18)	(23)
Cash and Equivalents at the end of the year/period	173	526	311	694	583

Source: PhosAgro (IFRS)
Note: Applied average USD/RUB exchange rates: 30.37 (2010), 29.39 (2011), 30.09 (2012), 30.64 (1H 2012), 31.02 (1H2013)



# PhosAgro – vertically integrated production model

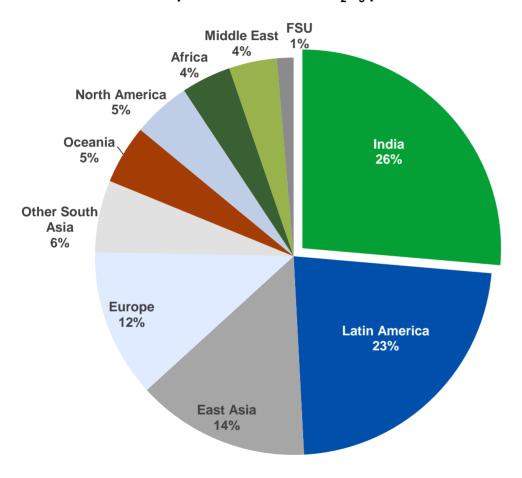




# India depends on P<sub>2</sub>O<sub>5</sub> imports

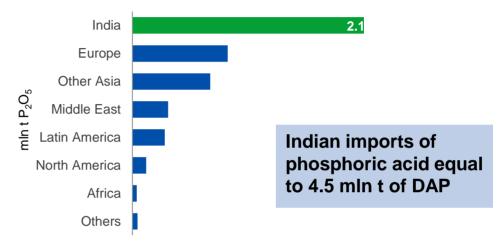
## India is the major purchaser of DAP/MAP...

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

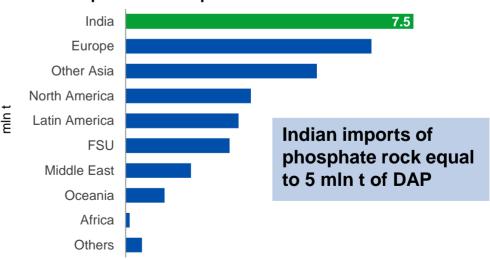


## ... and importer of feedstock for phosphates production

## Global Phosphoric Acid Imports of 4.5 mln t P<sub>2</sub>O<sub>5</sub>



#### Global Phosphate Rock Import of 31.1 mln t





# Uncertain policy for nutrient subsidies in India decrease fertiliser imports and unbalance fertilization

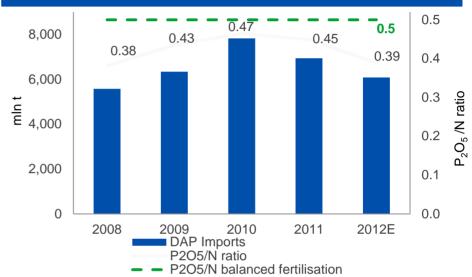
## Evolution of N: P<sub>2</sub>O<sub>5</sub>:K<sub>2</sub>O ratio in India

	N	$P_2O_5$	K <sub>2</sub> O
Balanced ratio	4.0	2.0	1.0
2010/11	4.3	2.0	1.0
2011/12	6.9	3.1	1.0
2012/13	7.7	3.0	1.0

## Nutrient Based Subsidy (NBS) Rates in India (Rs/kg nutrient)

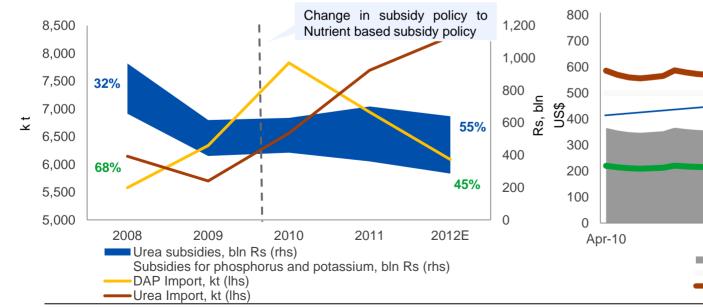
	N	$P_2O_5$	K <sub>2</sub> O
2010/11	23.227	26.276	24.487
2011/12	27.153	32.338	26.756
2012/13	24.0	21.804	24.0
Change	-11.6%	-32.6%	-10.3%

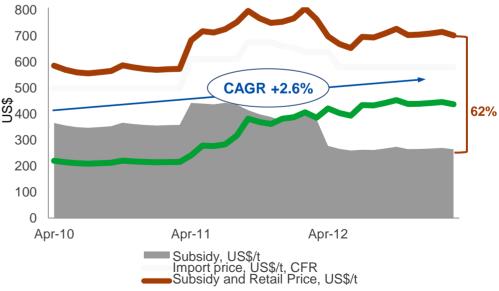
## **Unbalanced fertilisation**



## Subsidies and imports of phosphate fertilisers in India decrease

## Indian domestic price is twice above the current subsidy level



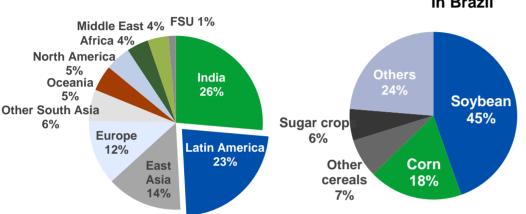


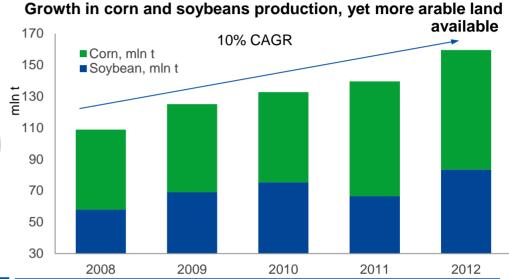


# Brazil phosphate fertilisers market outpaces others

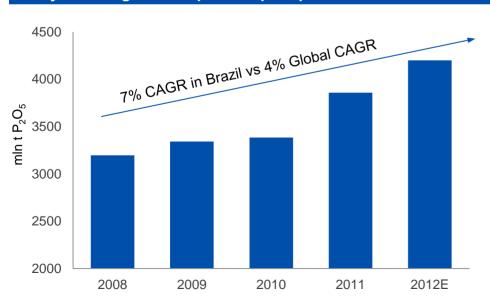
Substantial growth in production of major phosphate consuming agri-products results in ...

Breakdown of phosphate fertilisers consumption by crops in Brazil

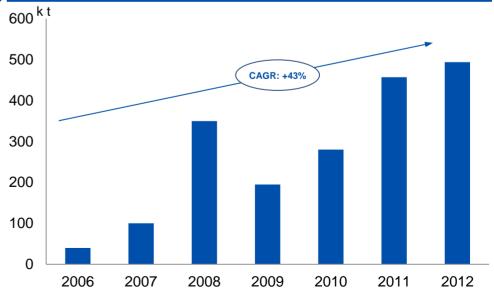




## ...skyrocketing consumption of phosphate fertilisers in Brazil



## **Brazil NPK Imports**



Source: IFA, US\$A, MDIC Brazil



# Greenfield plant – costs case-study

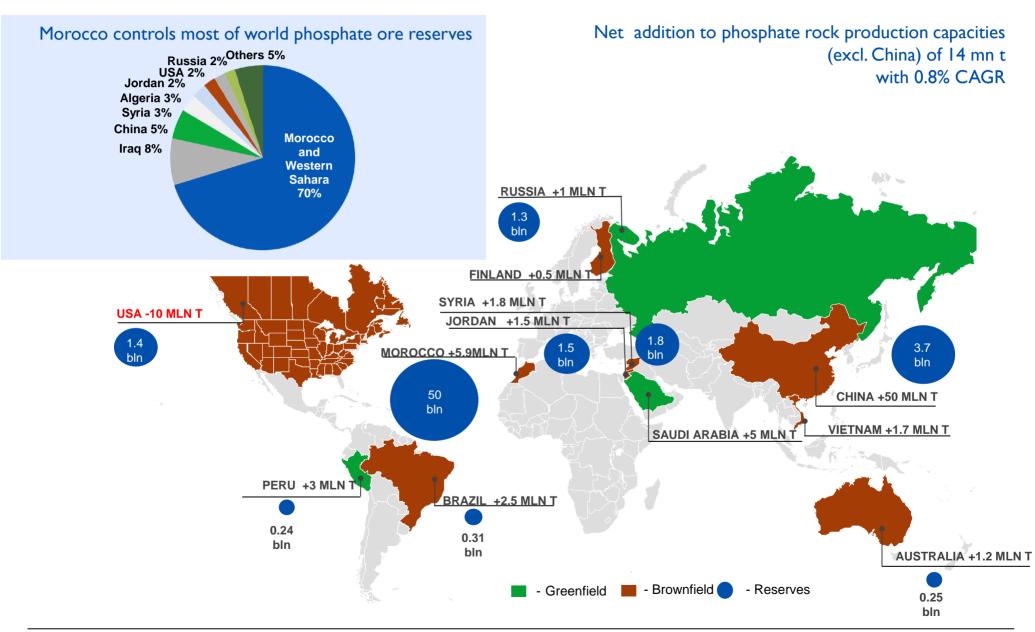
Production facilities  Capacity – mln t / year	Ma'aden	PHOSAGRO
Phosphate rock mine	12.0	26.6
Beneficiation plant	5.0	7.8
Sulphuric Acid Plant	4.7	4.6
Phosphoric Acid Plant	1.5	1.9
Ammonia Plant	1.1	1.1
Phosphate Fertiliser Plant	2.9	4.2
Key products	DAP	MAP, DAP, NPK, NPS

Ma'aden – total est. CAPEX<sup>(1)</sup>: US\$ 6 bln

Construction period: 6 years +



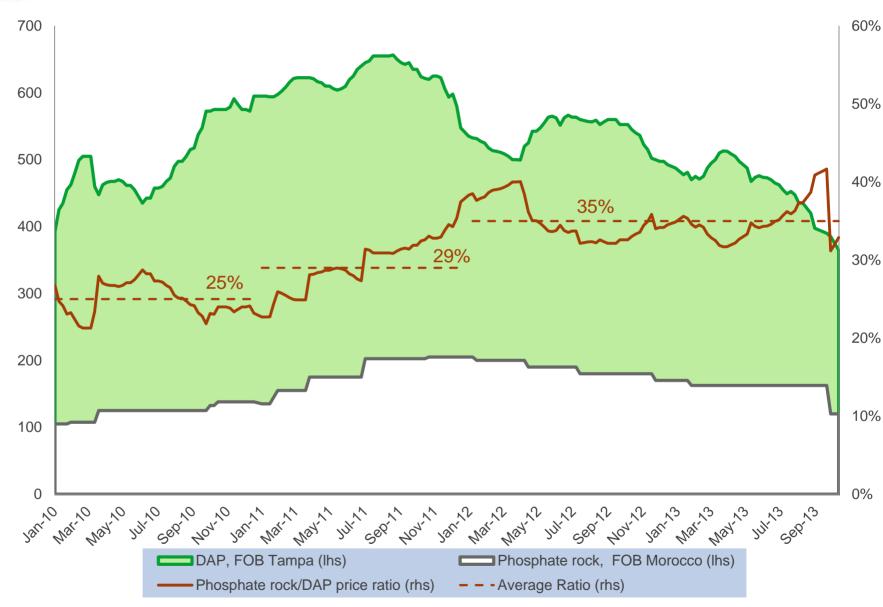
# Growth in phosphate rock production capacities 2000-2011



Source: CRU, USGS 51



# Phosphate rock/DAP price ratio



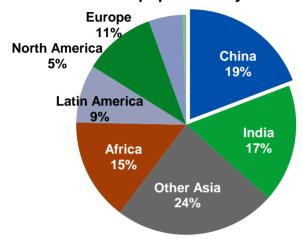


# China is the major consumer of phosphate fertilisers

The biggest portion of the world's growing 7 bln population<sup>(1)</sup>...

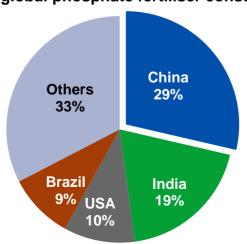
## Limited arable land stimulates fertiliser consumption

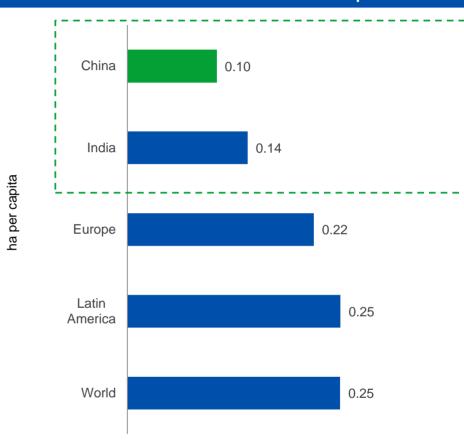
#### **Breakdown of World population by countries**



## ... translates into the largest share of phosphate consumption

### Breakdown of global phosphate fertiliser consumption by countries

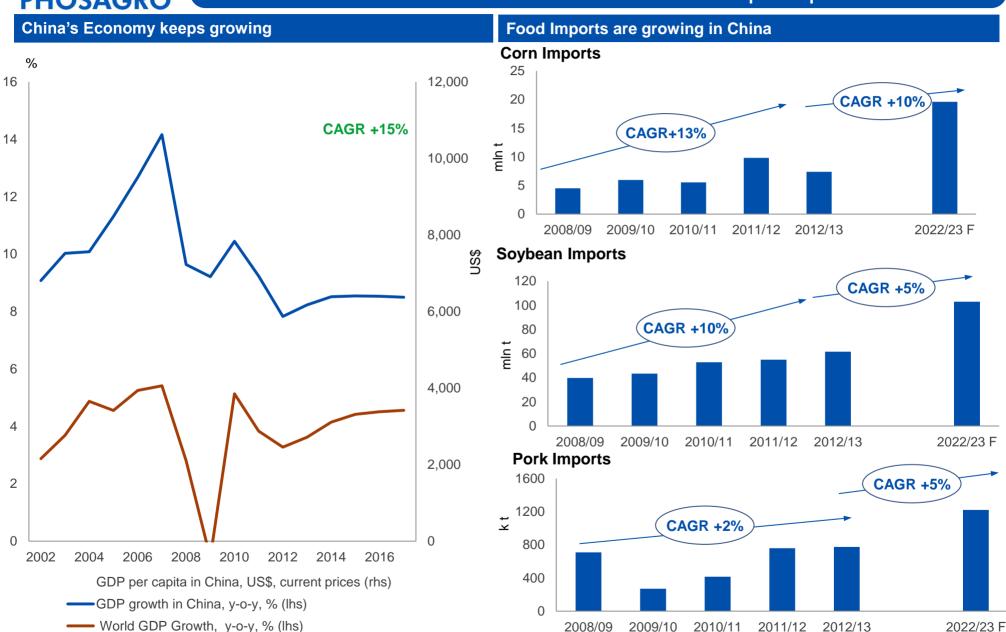




- Global phosphate fertiliser consumption is 44.1 mln t of P<sub>2</sub>O<sub>5</sub> per annum
- China consumes about 25 mln t of DAP equivalent products

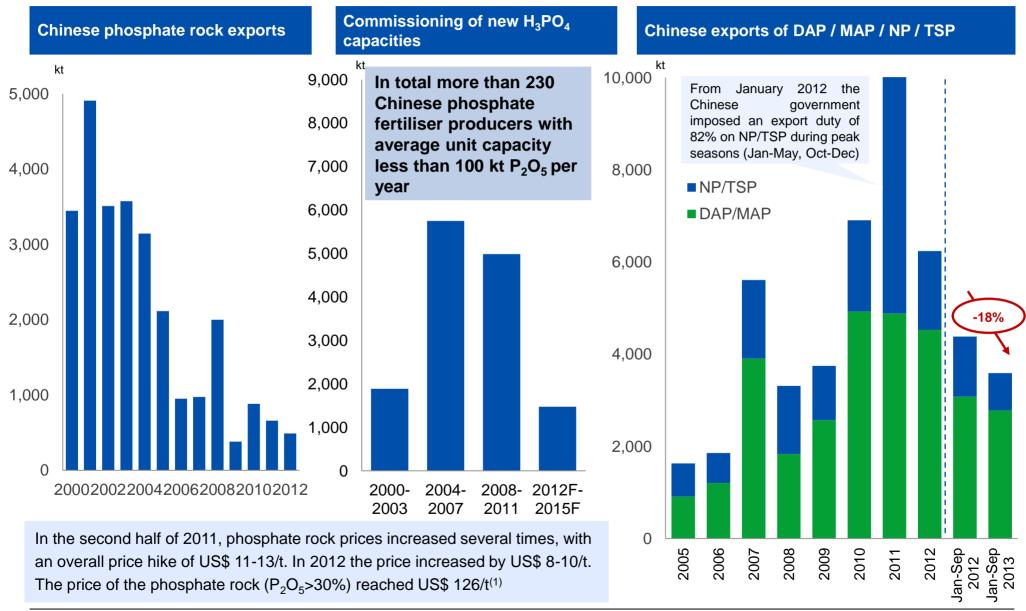


# Growing food consumption in China drives demand for phosphates



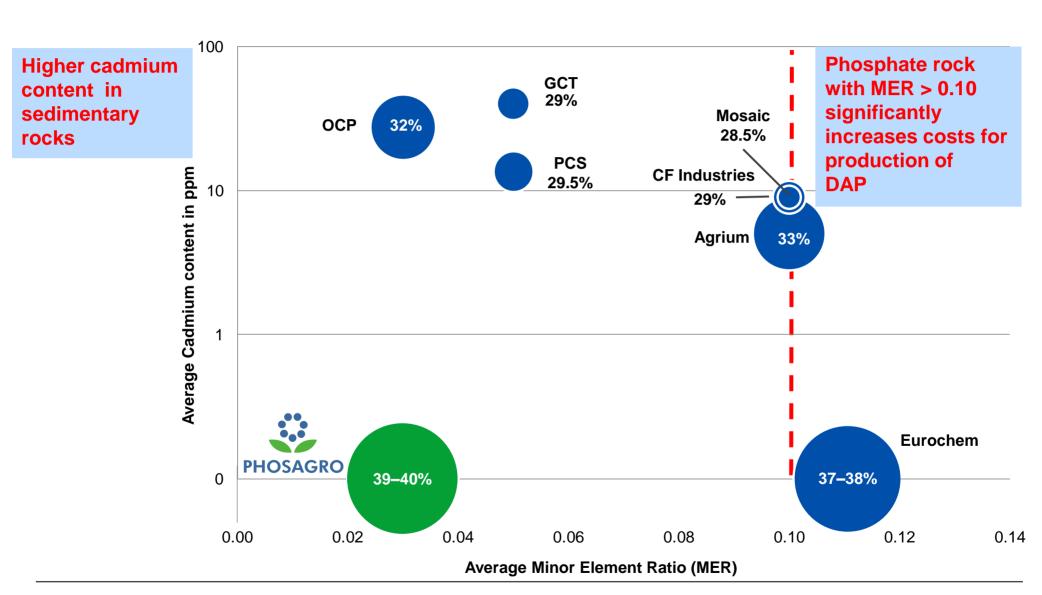


# Development of Chinese phosphate exports





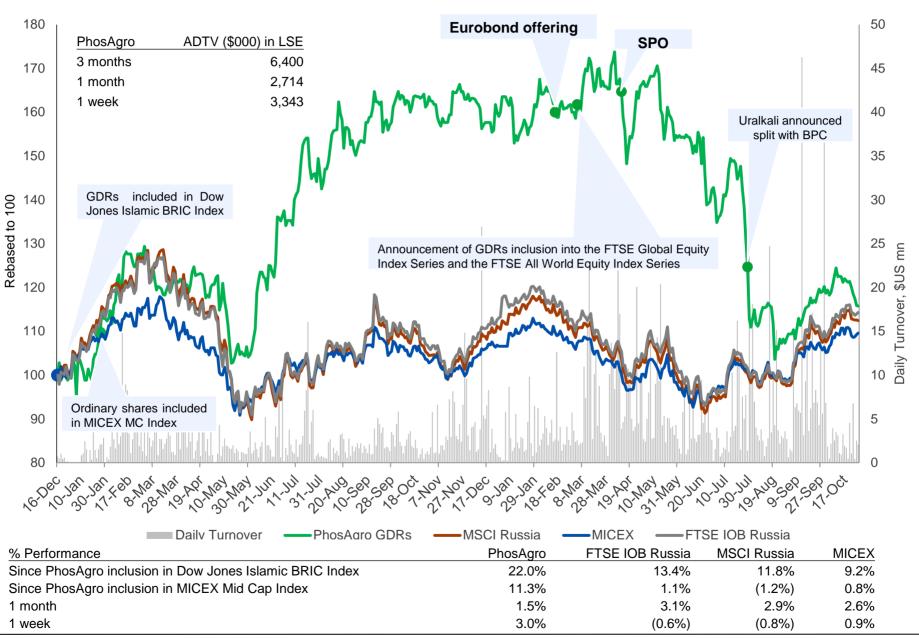
# Control of world's premium phosphate resource base



Note: Size of the bubble represents  $P_2O_5$  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

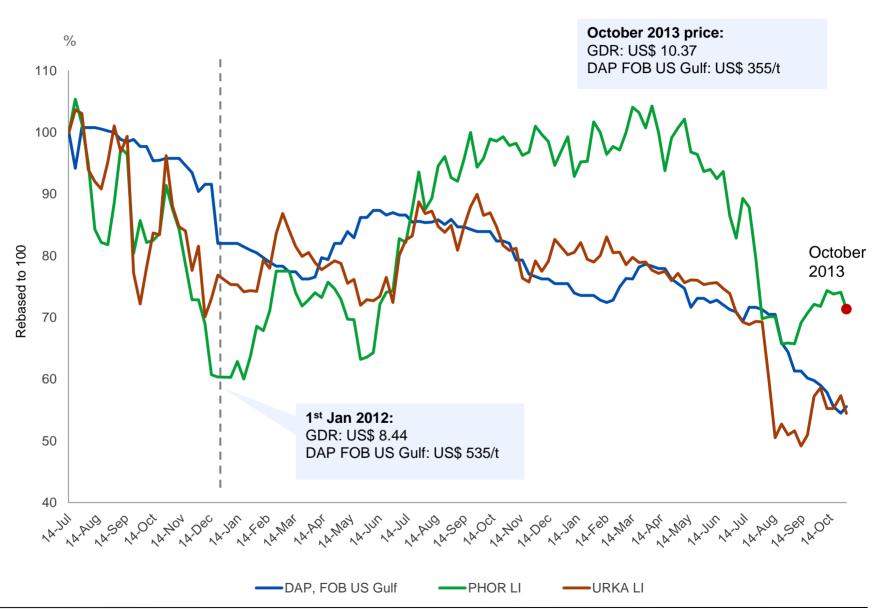


## GDRs performance





# GDR performance and DAP prices





# Fertilisers trading multiples

Company	Mcap., \$mIn	EV, \$mIn	EV/E	BITDA	P/E		
Company	Ψιιιιι	<b>\$</b>	2013F	2014F	2013F	2014F	
Russian peers							
PhosAgro	4,029	5,122	5.6x	5.5x	8.5x	8.0x	
Uralkali	15,684	17,969	9.5x	10.8x	14.7x	17.3x	
Median			7.5x	8.1x	11.6x	12.7x	
International peers - nitrogen ferti							
Agrium	12,523	15,555	6.8x	6.7x	10.5x	10.4x	
Yara International	12,040	12,974	5.7x	6.1x	9.6x	10.2x	
CF Industries	12,350	13,879	5.0x	5.8x	9.2x	10.5x	
Median			5.7x	6.1x	9.6x	10.4x	
International peers - potash and p							
Potash Corp	26,846	24,346	7.3x	7.9x	12.6x	12.9x	
Mosaic (1)	19,524	16,923	6.1x	6.2x	14.3x	12.2x	
Israel Chemicals Ltd	10,540	10,867	6.6x	7.3x	10.0x	12.1x	
K+S AG	4,921	5,393	4.4x	6.5x	8.4x	17.7x	
Median			6.4x	6.9x	11.3x	12.5x	

Source: Bloomberg (data as of October 31, 2013), PhosAgro analysis

Note: (1) Calendarised