

Knowledge grows

Yara International ASA

Thor Giæver, SVP Investor Relations

BofAML conference London, 5 December 2017





Our planet faces massive challenges – Yara is part of the solution

9.7 billion

people



+ 50 %

Increased food production



-40 to -70%

Reduced greenhouse gas emissions*



Our Mission

Responsibly feed the world and protect the planet.

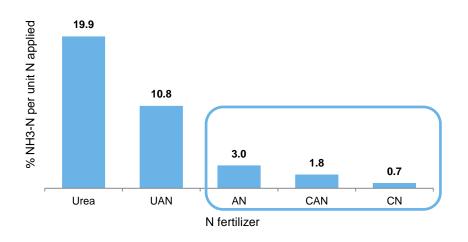
Our Values

Ambition, Curiosity, Collaboration and Accountability



Yara drives sustainable agriculture with the right nitrogen fertilizer products and precision farming tools

Lower volatilization losses* with Yara's premium fertilizers



Precision farming tools promote sustainable agriculture

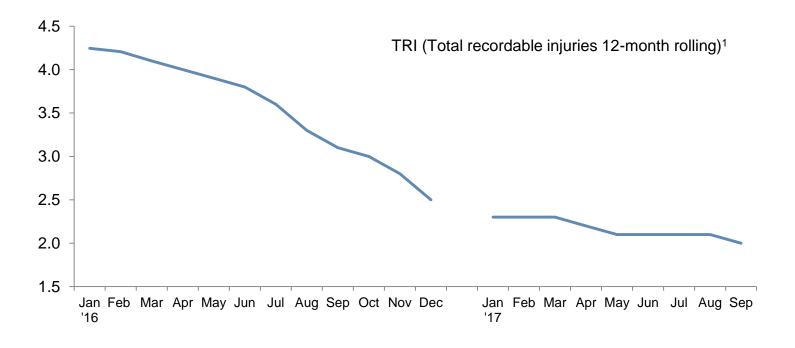


- Precision farming promotes best agricultural practices
- Yara's N-sensor, N-tester and water sensor help optimize application rates and water use
- Yara's solutions help farmers comply with environmental legislation while supporting their competitiveness

Agriculture is responsible for about a quarter of global greenhouse gas emissions. Yara contributes to lower emissions through promoting premium fertilizers and sustainable farming



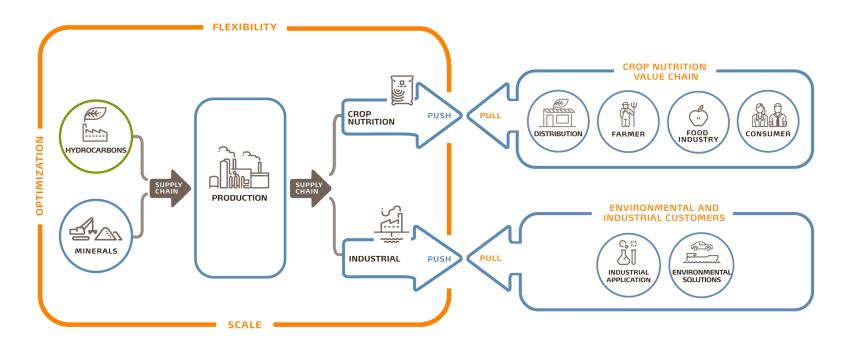
Safe operations is our first priority



1) TRI: Total recordable injuries, lost time (absence from work), restricted work and medical treatment cases per one million work hours.

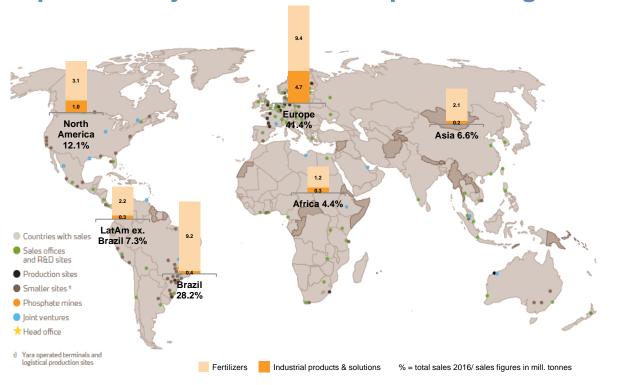


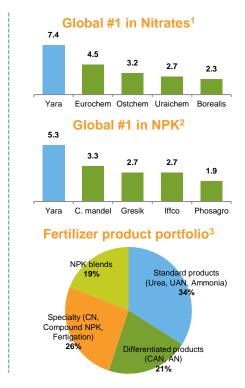
Integrated business model creates value through scale, flexibility and value chain presence





Yara's leading global position and differentiated product portfolio represent key sources of competitive edge







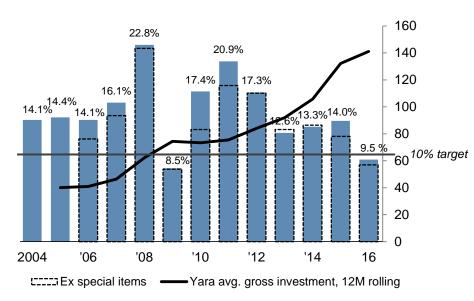
Including FAN and CN – Including companies' share of JVs 2016YE Compound NPK, excluding blends

^{*}Ammonia trade not included in chart above

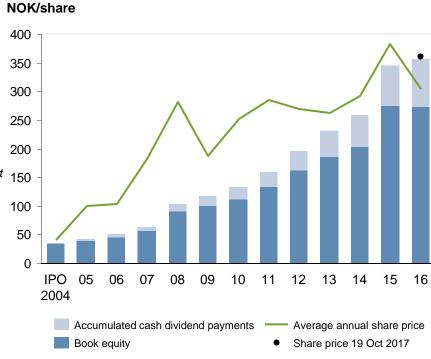
^{2016/2017} season volume

Strong growth and profitability through the cycle

Average cash return on gross investment (CROGI) well above the Yara CROGI target of 10%



Average annual shareholder return of 23%1



Share price appreciation (end 2016) plus dividend payments

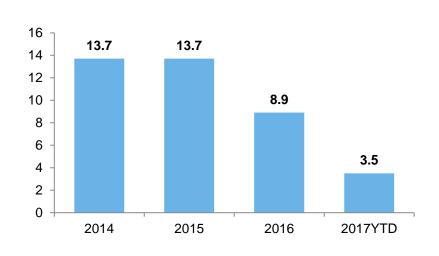


Urea oversupply outside China is offset by lower Chinese exports

Capacity additions, excluding China (Mt urea)

3.8 -3Mt = 10 year historical trend consumption growth 2.1 1.6 2.0 2.1 1.6 Other Russia Nigeria USA Iran

Urea exports from China (Mt urea)

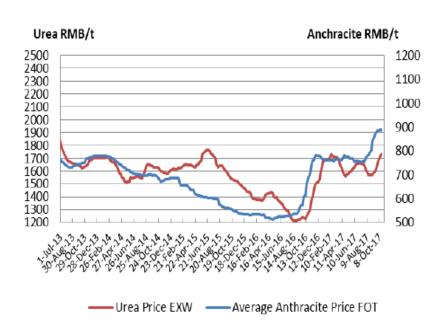


- Market is currently dominated by oversupply outside China, however lower China exports balance the urea market
- Urea market price is set by Chinese swing producers

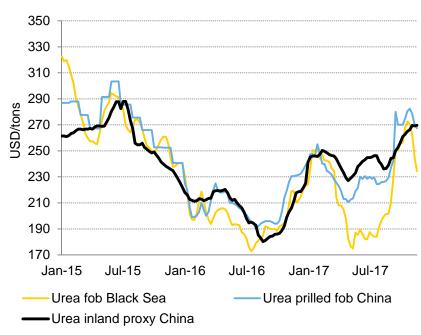


Increased coal prices in China have driven nitrogen prices higher

China anthracite and urea prices (RMB/mt)¹

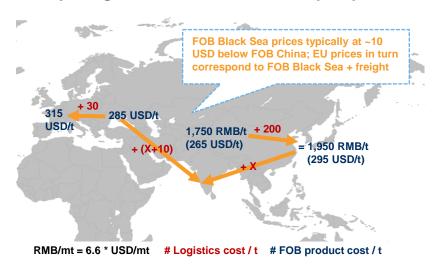


Increasing urea prices



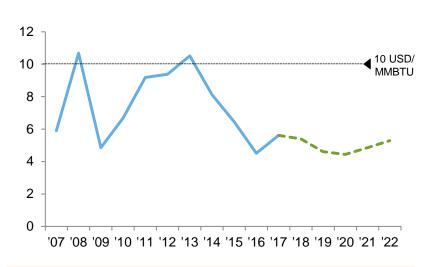
Western Europe producers have clear cost advantage over China

Urea pricing derived from a Chinese export price



 China as the swing producer defines the Urea market prices for Western Europe

European gas cost²

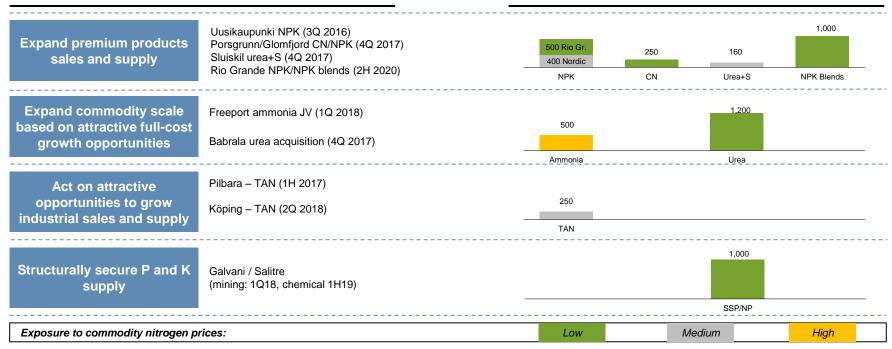


 Production based on European natural gas has a cost advantage over China up to a gas price of 10 USD /MMBTU¹

Yara has expected commodity nitrogen oversupply, and has focused its growth pipeline on premium & industrial products

Growth focused on premium & industrial

Pipeline tonnes by product (kt)¹

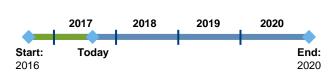


¹ Including Yara's share of volume in non-consolidated investees. Fully consolidated entities presented at 100% basis

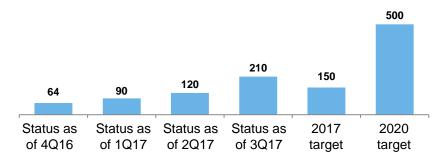


Yara Improvement Program targets minimum USD 500 million sustained annual EBITDA improvement by 2020

USD 500m Improvement Program Progress

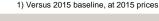


Annualized EBITDA improvement, USDm¹



Improvement categories:

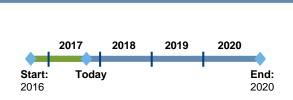
- Volume: increasing production in existing plants by improving reliability
- Consumption factor: reducing spend, primarily on energy, through better reliability and new technology
- Variable unit cost: leverage global scale, advanced category management and collaborative procurement approaches
- Fixed cost: improve support function standardization and realize scale benefits





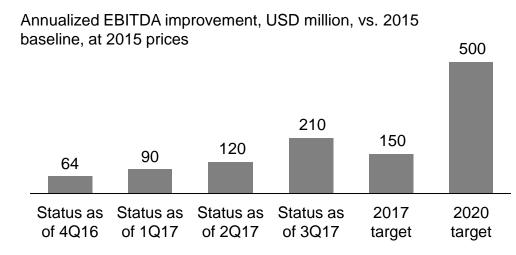
Yara Improvement Program ahead of schedule

Program progress



- Program still progressing according to plan, with benefits ahead of target
- Yara Productivity System continues to be rolled out. Production reliability strong compared to same period last year
- Procurement Excellence progressing into Wave 2 and delivering ahead of plan

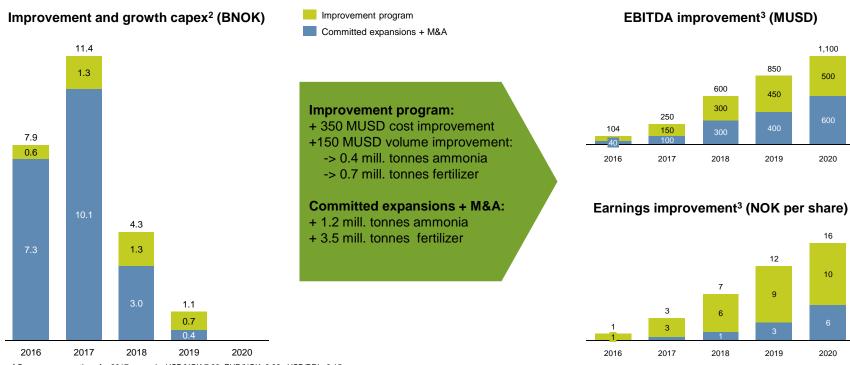
Financial benefits



- A total of USD 97 million one-off cash improvement realized, primarily working capital release
- Accumulated one-off program costs: opex USD 47 million and capex USD 147 million



Major improvement and growth investments in 2017; main earnings improvement from 2018 onwards¹



 $^{^{\}rm 1}$ Currency assumptions for 2017 onwards: USD/NOK 7.90, EUR/NOK: 9.32 , USD/BRL: 3.15

³ Measured at 2015 conditions. Main average market prices: Ammonia fob Yuzhny 390 USD/t, Urea fob Yuzhny 275 USD/t, DAP fob Morocco 495 USD/t



².Excluding maintenance capex on existing assets – see page 21. Yara's share of capex. Fully consolidated entities presented at 100% basis



Global leadership by growing knowledge for 112 years

About the company:

- Headquarters in Norway
- President and CEO: Svein Tore Holsether
- Present in more than 60 countries, sales to ~160 countries
- Close to 15,000 employees
- Established as Norsk Hydro in 1905, demerged and listed on Oslo Børs as Yara International ASA in 2004

Key metrics 2016 / YTD 2017:

- Operating revenues: 95.2 BNOK / 69.8 BNOK
- EBITDA: 15.6 BNOK / 8.6 BNOK
- CROGI: 9.5% / 6.5%
- Total deliveries (in million tonnes):
 - Fertilizers: 27.2 / 20.8
 - Industrial products: 6.9 / 5.3
 - Ammonia trade: 2.0 / 1.5

Stable ownership structure:

- Norwegian State 36.2%
- Norwegian National Insurance Scheme Fund 5.3%
- Other Norway 14%
- Outside Norway 44.5%

Strong and stable credit position:

- S&P: BBB (stable), BBB+ between 2005 and 2007
- Moody's: Baa2 (stable), unchanged since 2004
- Clear commitment to BBB/Baa2 rating
- Financial ratios as of 3Q 2017:
 - Debt/equity: 0.22
 - Net debt/L12M EBITDA: 1.55x



Three operating segments supported by a global supply chain function cover the value chain

	Production	Crop Nutrition	Industrial		
Description	Runs large-scale production of nitrogen- based products, the starting point for our crop nutrition and industrial solutions	Provides worldwide sales, marketing and distribution of a range of crop nutrition products and programs	Develops and markets environmental solutions and products for industrial applications		
Credit highlight	Production has plants and mines globally, providing scale and flexibility	Crop Nutrition creates resilience in earnings with distribution and agronomic competence	Industrial segment reduces cyclicality and seasonality		
2016 Revenues ¹	8.5 BNOK (1.0 BUSD) 9%	72.7 BNOK (8.9 BUSD) 75%	16.0 BNOK (2.0 BUSD) 16%		
2016 EBITDA ²	6.7 BNOK (0.8 BUSD) 44%	5.5 BNOK (0.7 BUSD) 36%	2.9 BNOK (0.4 BUSD) 19%		
Supply Chain	 Global function responsible for optimization of energy, raw materials and third party sourcing Sourcing and trade of 3,864 kilotons of ammonia and purchases of 293mm MMBtu of energy, 3,408 kilotons of potassium and 969 kilotons of phosphate rock 				



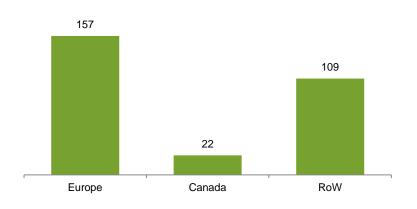
External revenues and other incom

Excluding other and eliminations

Supply Chain delivers industry-leading economies of scale

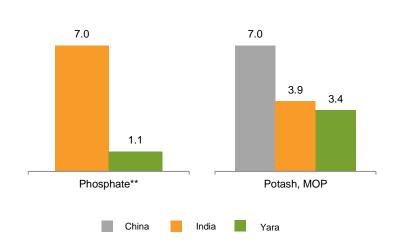
Biggest industrial buyer of natural gas in Europe

2016 gas consumption, Million MMBtu*



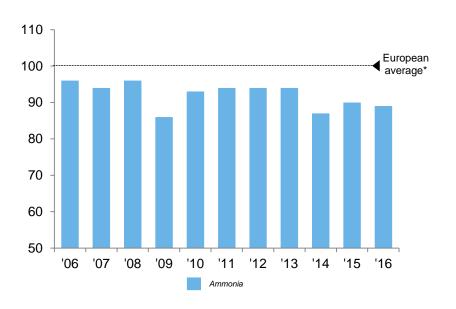
Third single biggest buyer of P&K globally

2016 P&K purchases (mt)



Yara has strong cost and market positions globally

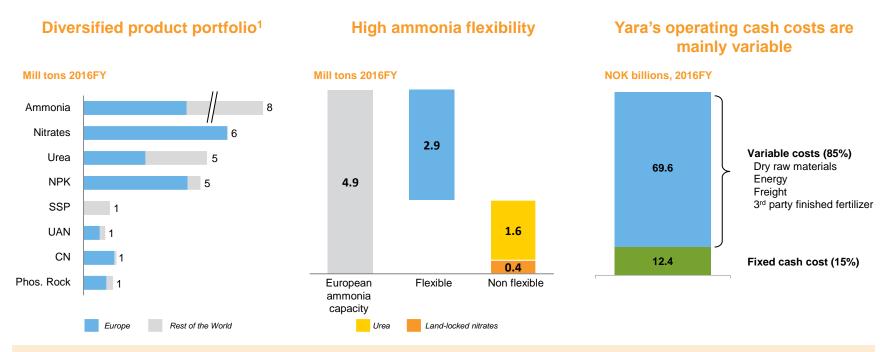
Leading cost position in Europe



Strong competitive-positions outside Europe

- North America: World class low-cost production assets in core agriculture market
- Brazil: Unrivalled distribution network with 28 sites in 11 states. Limited commodity margin exposure due to (1) strong premium product positions and (2) third-party sourcing for blend business
- Asia: Export market for Yara premium products for more than 100 years. Strong knowledge margin and brand awareness.

Production scale advantage and variable cost flexibility due to asset set-up and product mix



~90% of nitrate and NPK production can operate independently of ammonia production

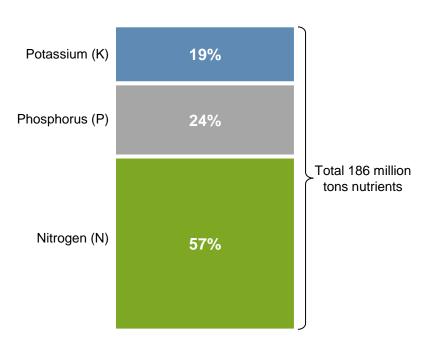
Industrial segment delivers growth and offsets fertilizer cyclicality and seasonality

Base Chemicals		Environmental Solutions	Mining Applications	Industrial Applications ¹
				TARA
Key product and service offering	Chemical applications for food, automotive, space, pharmaceutical and construction industries	NO _x and SO _x abatement of emissions from heavy duty vehicles and industry	Technical nitrates and solutions for mining and construction industries	CN and associated solutions for industrial applications Feed urea and phosphates for Animal nutrition
Strategic fit	Optimization of Upstream assets	Utilize logistics advantage and infrastructure footprint	Utilize technology, logistics and infrastructure advantage	Monetize products into higher value markets
Geographical market	Europe	Global	Global	Global
Market drivers	GDP growth	Legislations, GDP growth	GDP growth, mining industry	GDP growth, standard of living
EBITDA 2014- 2016 (MNOK)	551 544 713 2014 2015 2016	226 468 584 2014 2015 2016	198 153 176 2014 2015 2016	314 337 296 2014 2015 2016

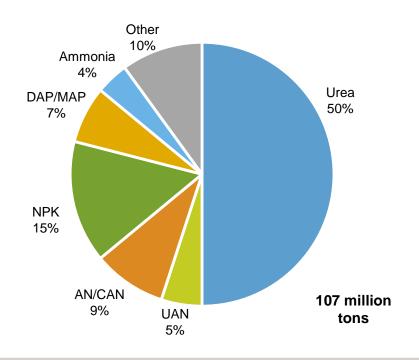


Yara has a strong position in value-added fertilizer, while urea is the main reference product for nitrogen pricing

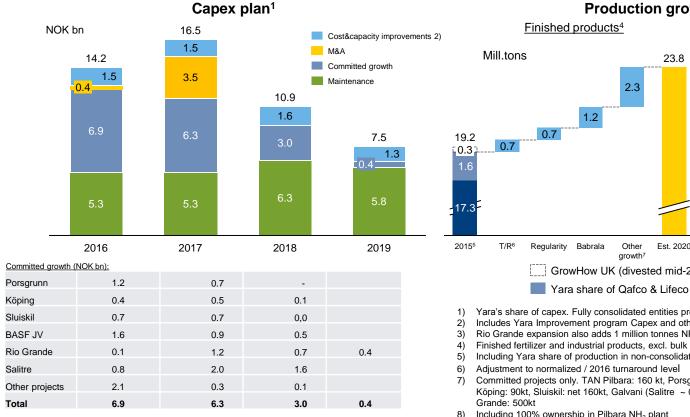
Nitrogen – The most important nutrient¹



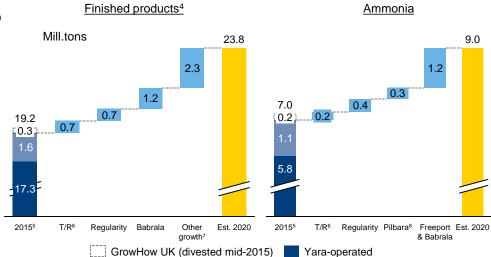
Urea is the key commodity N-product²



Growth and capex pipeline



Production growth 2015 - 2020³



- Yara's share of capex. Fully consolidated entities presented at 100% basis.
- Includes Yara Improvement program Capex and other improvements
- Rio Grande expansion also adds 1 million tonnes NPK blends by 2020
- Finished fertilizer and industrial products, excl. bulk blends
- Including Yara share of production in non-consolidated investees
- Adjustment to normalized / 2016 turnaround level
- Committed projects only. TAN Pilbara: 160 kt, Porsgrunn: 235kt, Glomfjord: 105kt, Uusikapunki: 250kt, Köping: 90kt, Sluiskil; net 160kt, Galvani (Salitre ~ 0.8 mill.tonnes, reaching 1.1 mill.tonnes in 2022). Rio Grande: 500kt
- 8) Including 100% ownership in Pilbara NH₃ plant



Improvement and growth investments; earnings and sensitivities¹

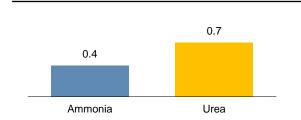
EBITDA improvement² (MUSD)



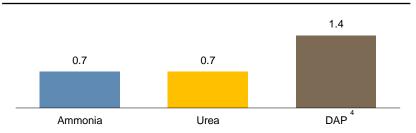
Earnings improvement² (NOK per share)



Improvement program: Impact³ of +100 USD/t price change (NOK/share)



Growth: Impact³ of +100 USD/t price change (NOK/share)



¹ Currencies for all amounts from 2017: USD/NOK 7.90, EUR/NOK: 9.32, USD/BRL: 3.15



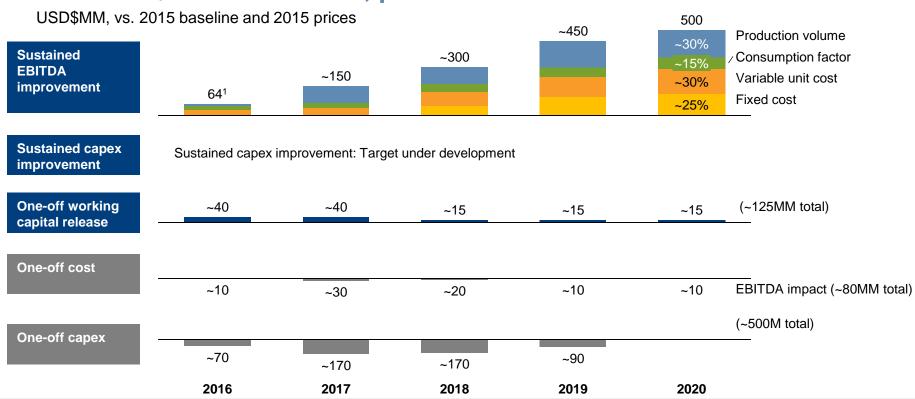
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² Measured at 2015 conditions. Main average market prices: Ammonia fob Yuzhny 390 USD/t, Urea fob Yuzhny 275 USD/t, DAP fob Morocco 495 USD/t.

³ Improvement: 2020 numbers. Growth: At full capacity (2019 for urea and ammonia, 2020 for DAP).

⁴ Phosphate-driven price change, equivalent to 138 USD/t phosphate rock (72 bpl)

Yara Improvement Program targets sustained improvement of minimum \$500MM EBITDA, plus cash benefits





Cash effects

Improve safety, customer

responsiveness, reliability, cost,

productivity and quality on our

assess and integrate acquired

Realize sustainable, incremental

sites as well as the ability to

assets

Support function efficiency and quality

Standardize processes in supply chain and finance to improve customer experience and efficiency

More for less

Procurement Excellence

System

Yara Productivity

IT Optimization

Improve project execution and cost position of basic IT services while increasing customer and business orientation

Better Cheaper Faster

Improve quality, cost and speed of construction through standard specifications, by challenging requirements and focus on execution strategy

Working Capital

Improve working capital management in selected countries

Added value

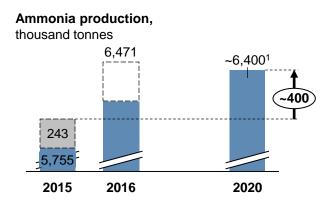
Sales & Marketing enhancement

Improve our commercial activities in Crop Nutrition and Industrial segments through being more focused, efficient and effective in developing our sales & marketing channels

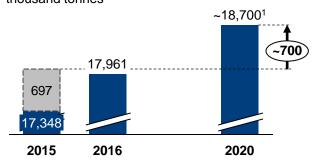


Volume and energy consumption improvement targets

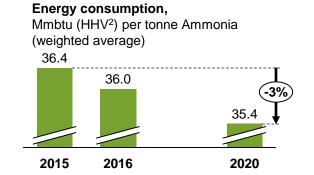












Ammonia production (excl. pipeline growth)

Finished fertilizers production

Adjustment to normalized / 2016 turnaround level

Pilbara acquisition effect (last 49%)

Improvement program target

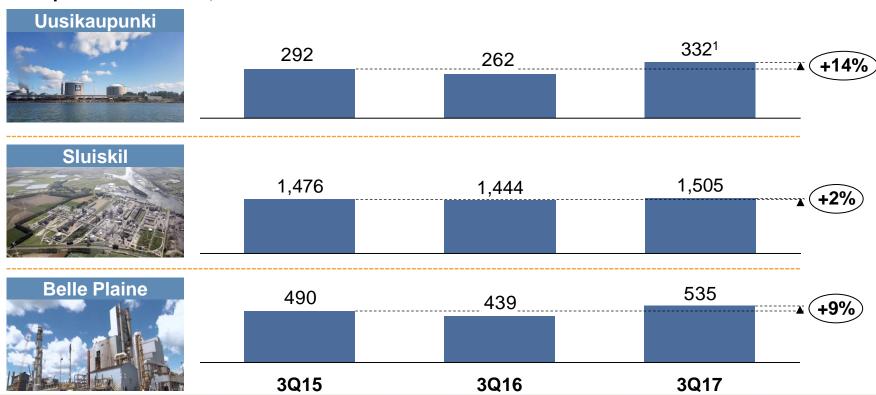
Note: Volume and energy targets are not final; they are subject to change as additional plant assessment deep-dives are completed



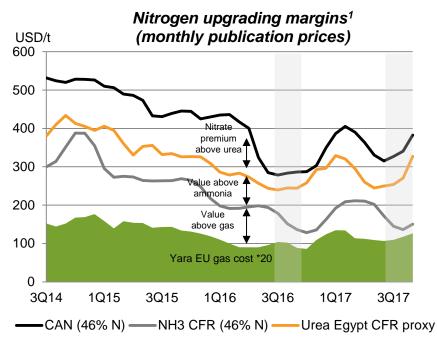
Yara Productivity System in practice

Base production (excluding effect of planned maintenance stops)

Total production at site, thousand tonnes

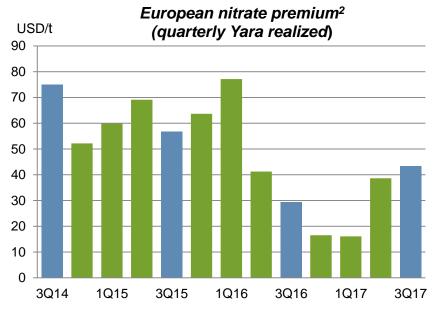


Higher European nitrate premiums



1) All prices in urea equivalents

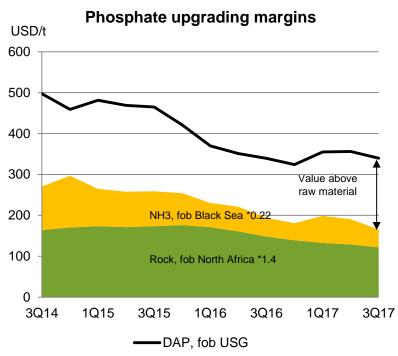
Source: Fertilizer Market Publications



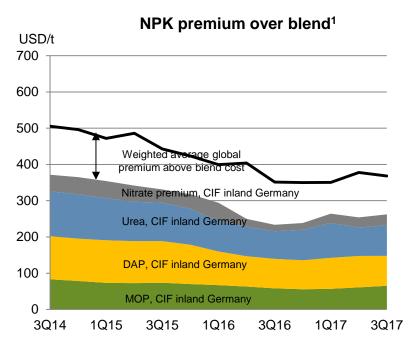
2) Yara European realized nitrate prices (excl. sulphur grades)compared with urea publication prices (Egypt CFR proxy) with1 month time lag. All numbers in USD per tonne of CAN equivalents.



Solid commodity phosphate margins and compound NPK premiums







1) Export NPK plants, average grade 19-10-13, net of transport and handling cost.



Yara has invested for the long term in Brazil; Bunge acquisition brought critical mass in distribution

Volume 9.3 (MM tons) 8.2 7.8 3.2 3.3 2.8 2.7 2.4 2.2 2.2 2.0 1.7 1.8 1.5 1.3 0.8 0.5 00 06 (10) (13) 99 01 02 03 04 05 07 80 09 11 12 (14) 15 16 Fertibras Fosfertil **ADUBOS TREVO** Acquisition Acquisition Acquisition Divestment Galvani Acquisition 60%



Yara Brazil today: unrivalled market presence and farmer-centric strategy

Unrivalled presence: 28 sites in 11 states

Yara (offices. production, blending and distribution of fertilizers, port operation) Galvani (fertilizer production, mining and port operation)

Farmer-centric strategy drives growth

- > 20,000 growers using Yara solutions
- > 200 Yara agronomists and 600 sales representatives
- > 55% of Yara deliveries are direct to farmer
- > 55,000 interactions with growers p.a.



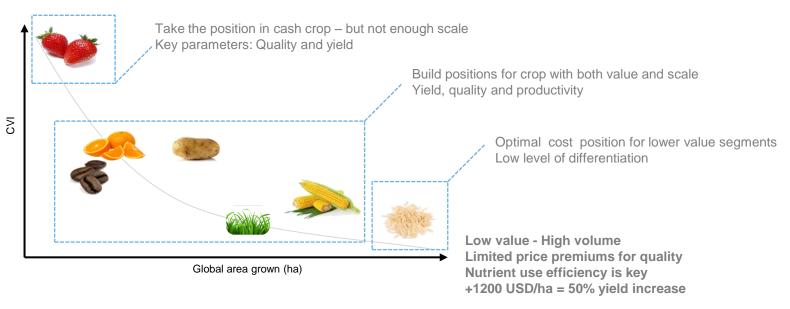
Crop Value Index – a key guide to our approach

What is CVI:

Crop revenue

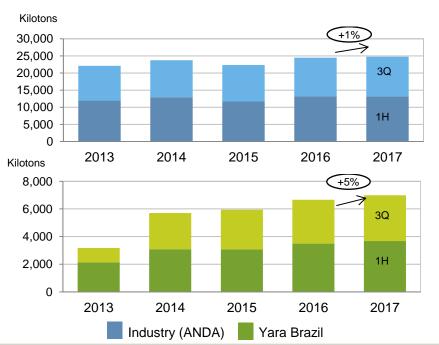
Fertilizer costs

High value, Low volume
Double price premium for high quality
2% yield increase= +1200 USD/ha

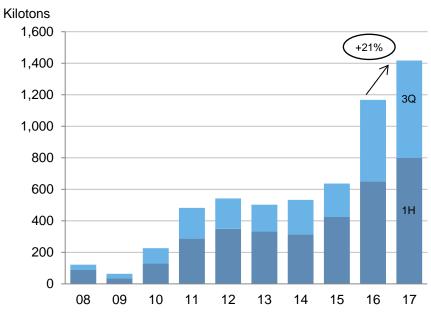


Brazil: focus on premium products and solutions drives growth



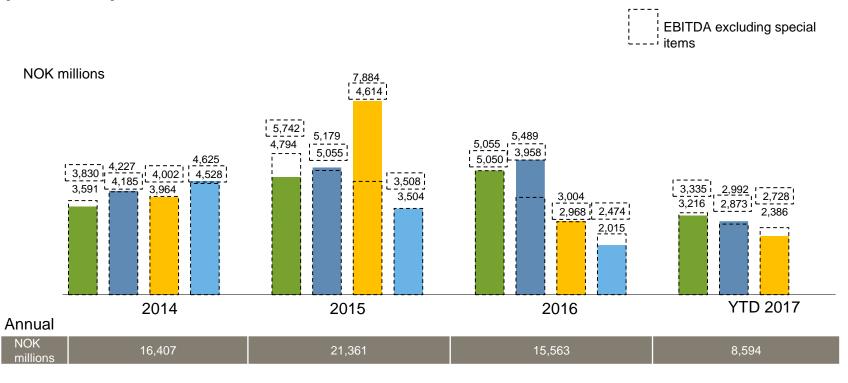


Brazil season-to-date premium product deliveries





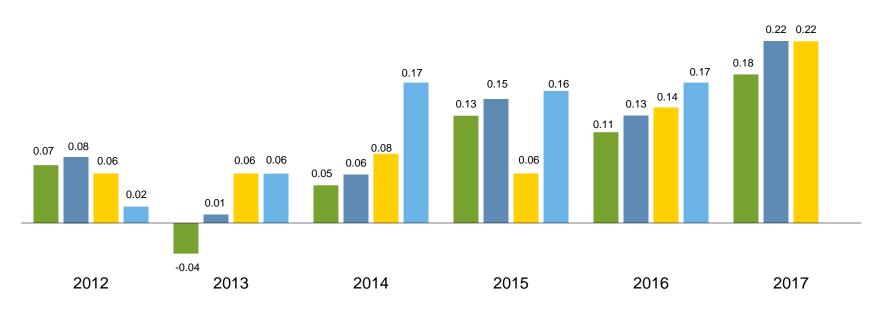
Earnings before interest, tax, depreciation and amortization (EBITDA)





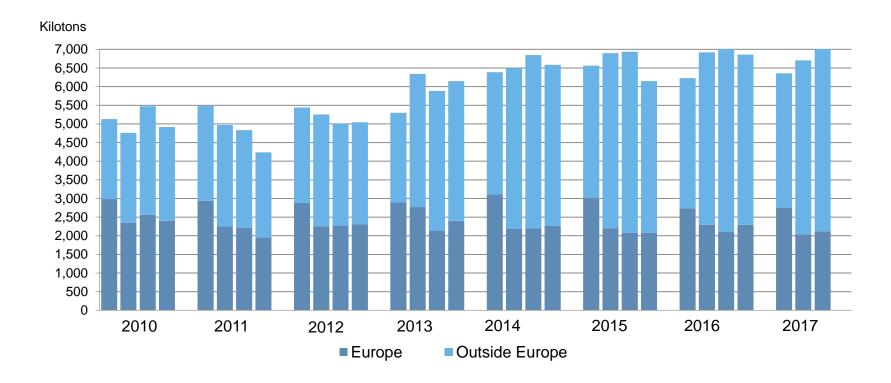
Debt/equity ratio

Net interest-bearing debt / equity ratio (end of period)



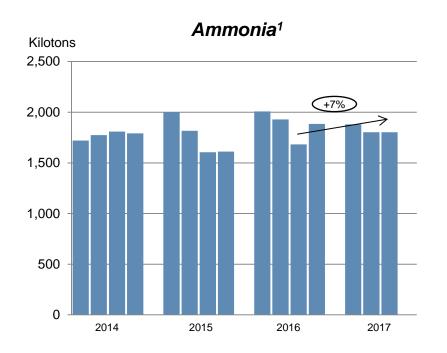


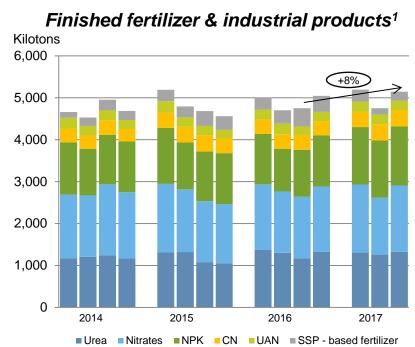
Fertilizer deliveries





Higher finished fertilizer and ammonia production



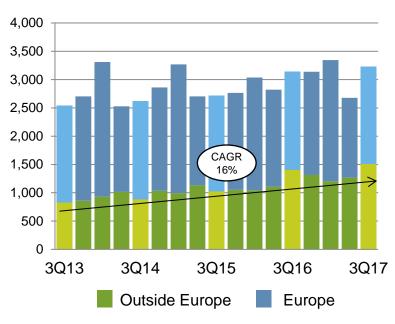


1) Including share of equity-accounted investees



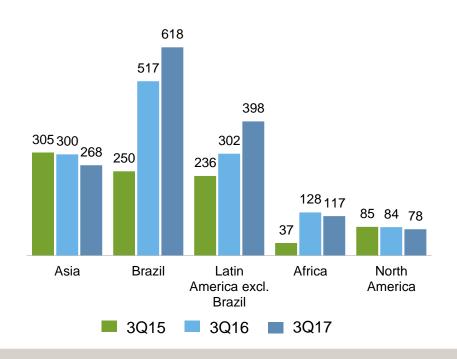
Strong premium product deliveries

Value-added fertilizer deliveries¹



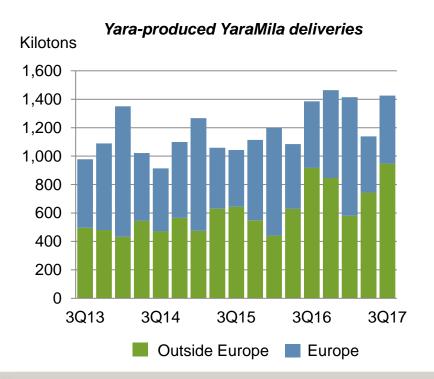
1) YaraBela, YaraMila and YaraLiva deliveries

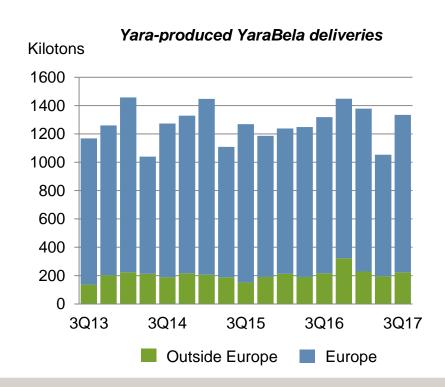
Value-added fertilizer deliveries¹





YaraMila (compound NPK) and YaraBela (nitrate) deliveries

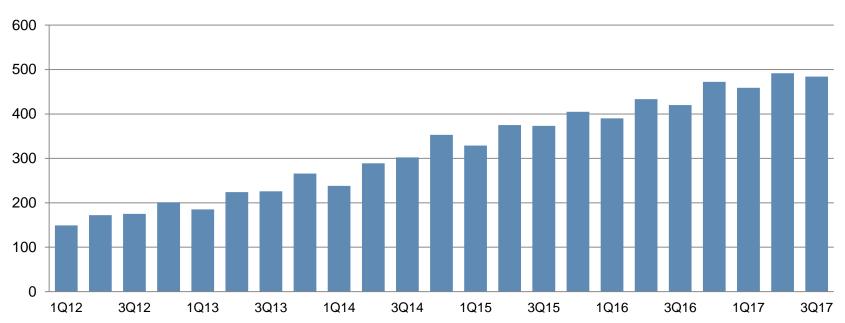






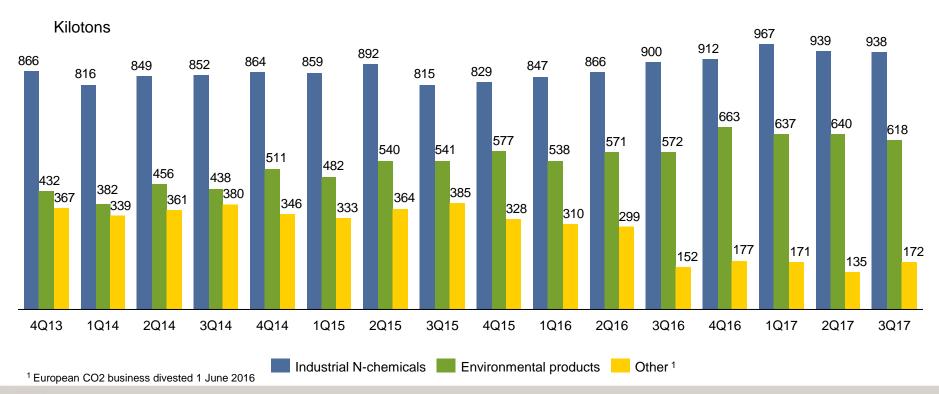
AdBlue deliveries

Kilotons





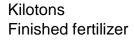
Industrial volume development

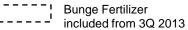


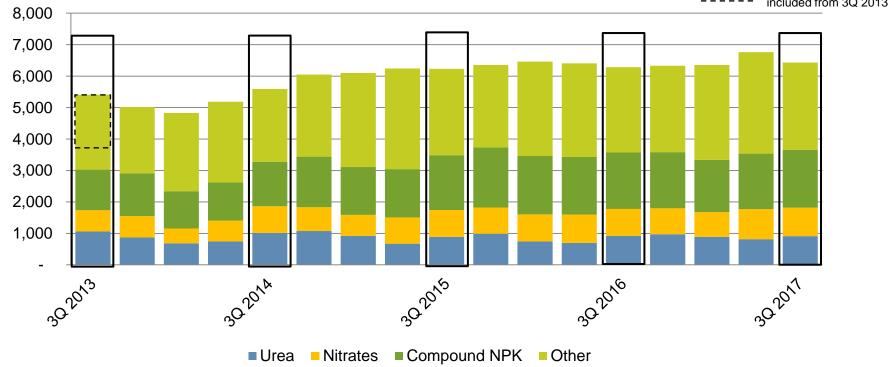


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Yara stocks



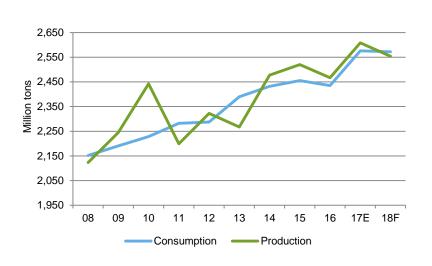




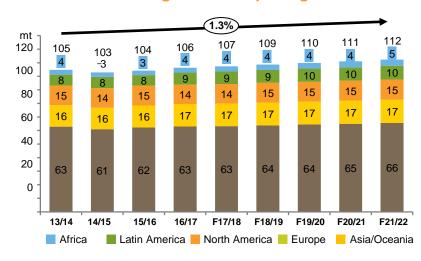


Food demand drives fertilizer consumption – Grain is the key driver for nitrogen consumption growth

Grain consumption and production¹



Global nitrogen consumption growth²

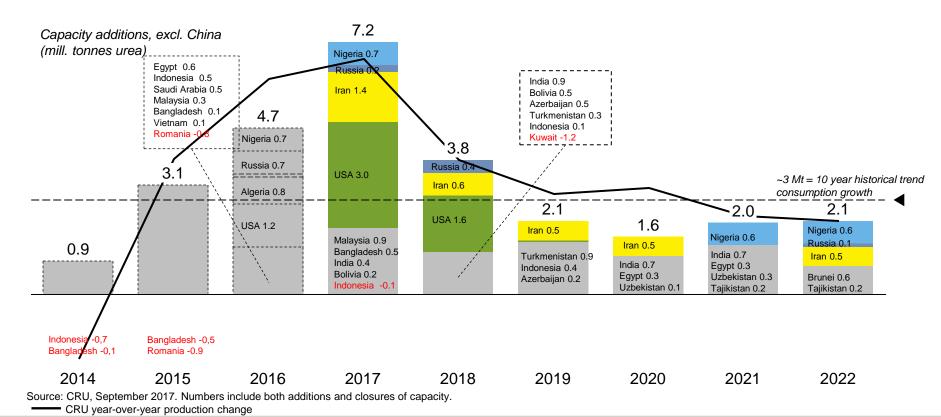


Food demand drives fertilizer consumption

- Population growth of about 80 million each year
- Economic growth also changes diets



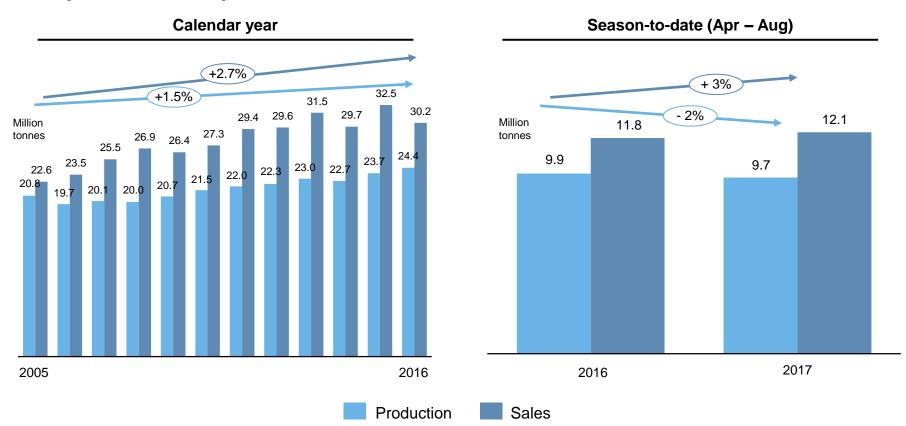
Strong urea oversupply outside China





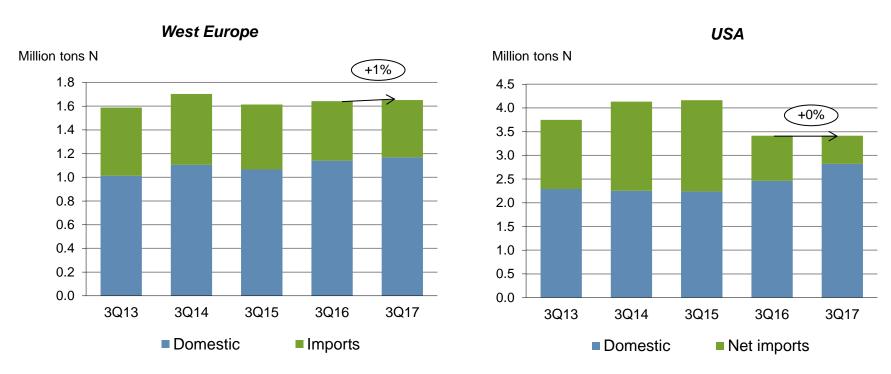
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Import catch-up need in India





Normal start to the European fertilizer season, slow in USA like last season

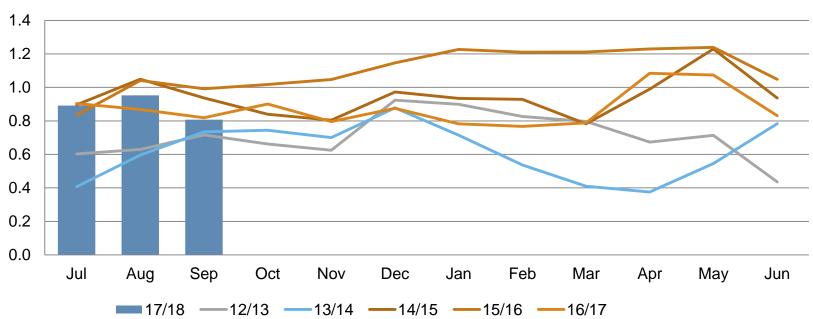


Source: Yara estimate, TFI, US Customs.



European producers' nitrate stocks



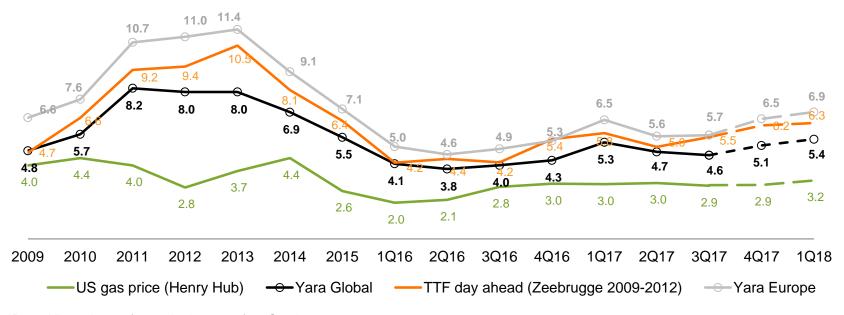


Source: Fertilizers Europe, Yara estimate for September



Energy cost

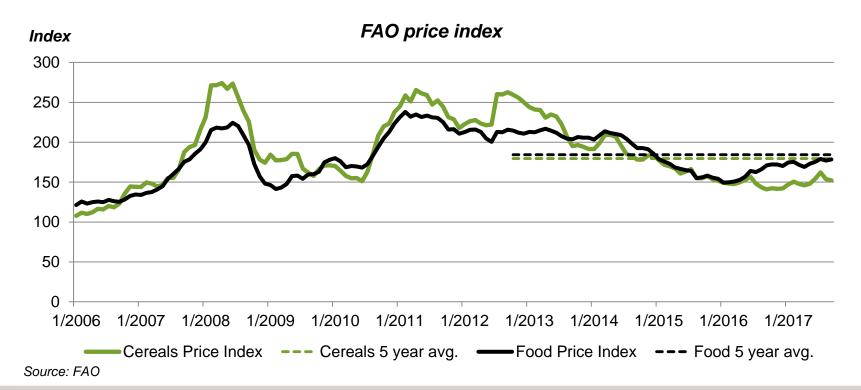
Yearly averages 2009 – 2015, quarterly averages for 2016-18 with forward prices* for 4Q17 and 1Q18.



^{*}Dotted lines denote forward prices as of 10 October 2017 Source: Yara, World Bank, Argus/ICIS Heren



Relatively weak grain economics





IR – December 2017

Key value drivers – quarterly averages

