

Notice to Investors

Forward-Looking Statements

Certain statements and other information included in this presentation constitute "forward-looking information" or "forward-looking statements" (collectively, "forward-looking statements") under applicable securities laws (such statements are often accompanied by words such as "anticipate", "forecast", "expect", "believe", "may", "will", "should", "estimate", "intend" or other similar words). All statements in this presentation, other than those relating to historical information or current conditions, are forward-looking statements, including, but not limited to: our market outlook and estimates for 2023 and beyond, including agriculture and market (including potash and nitrogen) fundamentals commentary and the anticipated supply and demand thereof and import and export volume expectations and global fertilizer prices; expected economic, market and industry conditions with respect to stock-to-use ratios, European ammonia cash costs projections, realized prices, acreage, supply and demand, crop conditions, harvest and planting, global ammonia demand, economics, production, potential curtailments, major grains balance, consumption of key crops, yields, margins, prices, costs, inventories; production costs; potash production, shipments and deliveries; future nitrogen capacity growth; the impact of market fluctuations; and the impact of import and export volumes as well as restrictions and sanctions including Belarus and Russia potash exports by destination. These forward-looking statements are subject to a number of assumptions, risks and uncertainties, many of which are beyond our control, which could cause actual results to differ materially from such forward-looking statements. All of the forward-looking statements are qualified by the assumptions referred to below and elsewhere in this document. Although Nutrien believes that these assumptions are reasonable, this list is not exhaustive of the factors that may affect any of the forward-looking statements and readers should not place an undue reliance on these

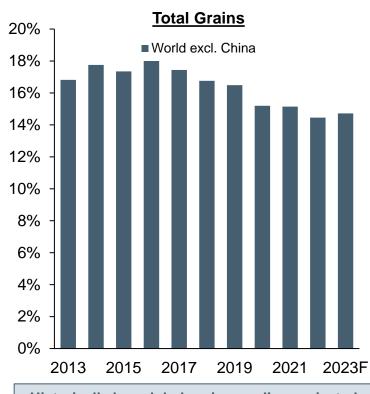
Events or circumstances that could cause actual results to differ materially from those in the forward-looking statements include, but are not limited to: general global economic, market and business conditions; weather conditions, including impacts from regional flooding and/or drought conditions; crop planted acreage, yield and prices; the supply and demand and price levels for crops and crop nutrients; governmental and regulatory requirements and actions by governmental authorities, including changes in government policy (including tariffs and trade restrictions), government ownership requirements, changes in environmental, tax and other laws or regulations and the interpretation thereof; political risks, including civil unrest, actions by armed groups or conflict and malicious acts including terrorism; the occurrence of a major environmental or safety incident; risks of crises such as outbreaks, epidemics, pandemics or other similar public health crisis, and its resulting effects on economic conditions, restrictions imposed by public health authorities or governments, including government-imposed vaccine mandates; regional natural gas supply restrictions; the conflict between Ukraine and Russia and its potential impact on, among other things, global market conditions and supply and demand, energy and commodity prices; and other risk factors detailed from time to time in Nutrien reports filed with the Canadian securities regulators and the Securities and Exchange Commission in the United States.

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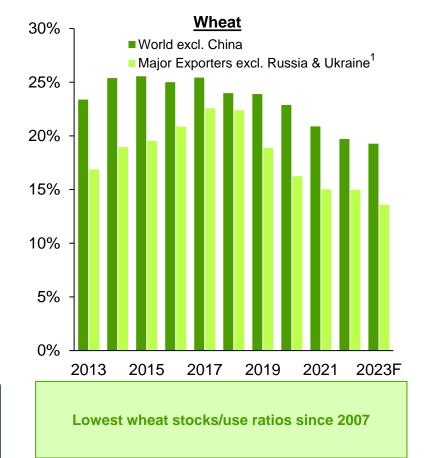
Supply of key global grains continues to tighten

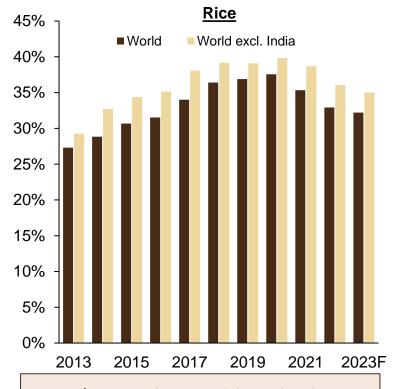
Global Stocks/Use Ratios for Grains

Percent



Historically low global grain supplies projected in 2023/24, making 4 consecutive years below 16%, which has only happened previously in the 1970s





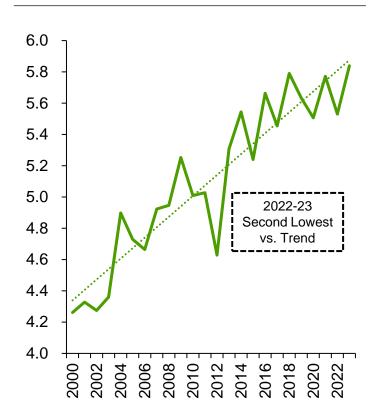
3rd consecutive year of tightening rice inventories and increased prices as a result of Indian export restrictions

^{1.} Major exporters include United States, European Union, Australia, Argentina and Canada

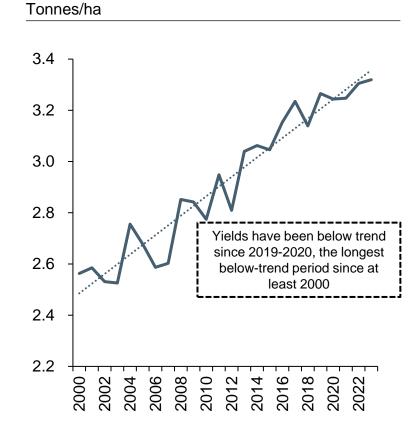
Weather and sub-optimal nutrient application rates have both been drivers of recent below-trend grain yield levels

Global Corn Yield (excluding China)

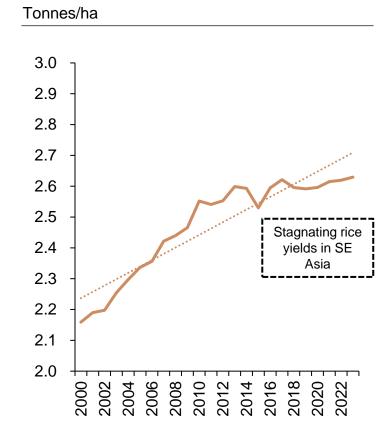
Tonnes/ha



Global Wheat Yield (excluding China)

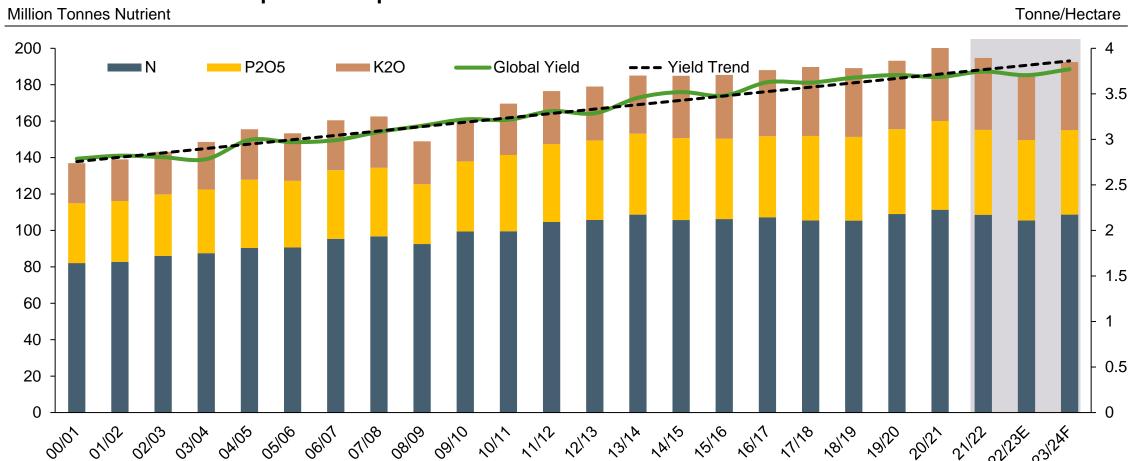


Thailand & Vietnam Rice Yields



Global crop yields have been at historically below-trend levels, corresponding to recent decline in nutrient applications

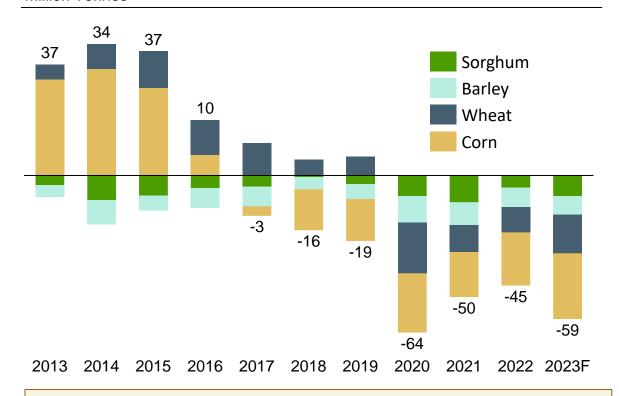
Global Fertilizer Consumption & Crop Yields



Structural deficit of China's grains as domestic yields are plateauing

China Major Grains Balance

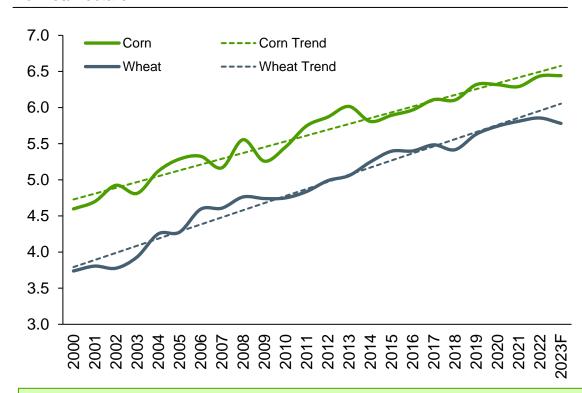
Million Tonnes



Structural shortfalls of major grains in China as a result of stagnating production

China Corn & Wheat Yields

Tonnes/Hectare

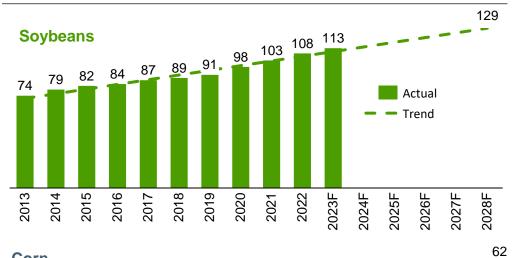


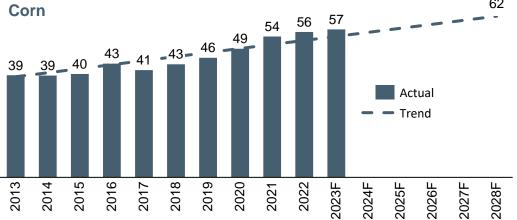
Multiple consecutive years of yields below historical trends in China, with 4 out of the past 5 years below trend in corn and each of the past 5 years below trend in wheat

Brazil continues to boost production and export share of soybeans and corn, driving input demand growth

Brazil Soybean & Corn Acreage

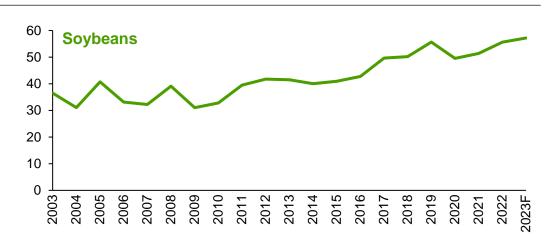
Million Acres

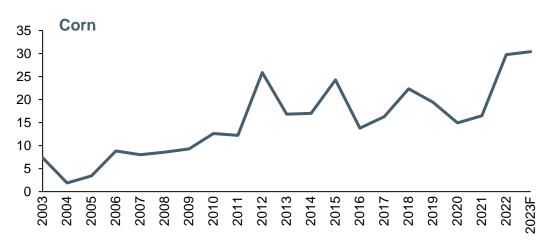




Brazil Soybean & Corn Export Share

Percent

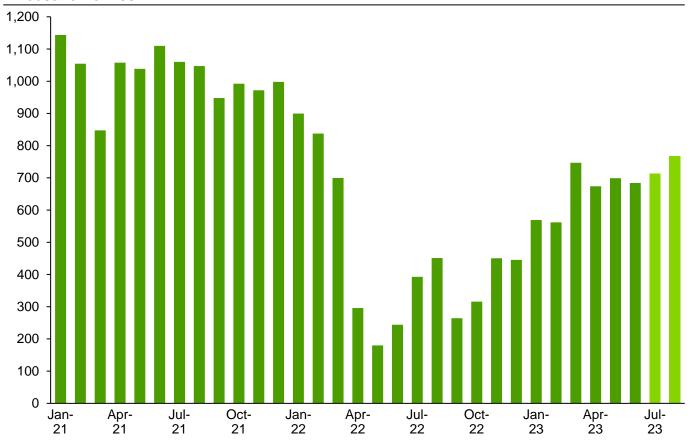




Belarus potash shipments have been increasing in 2023 but remain well below 2021 levels

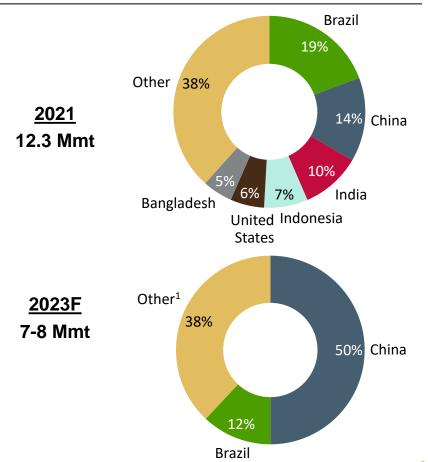
Belarus Monthly Potash Exports





Belarus Potash Exports by Destination

Percent

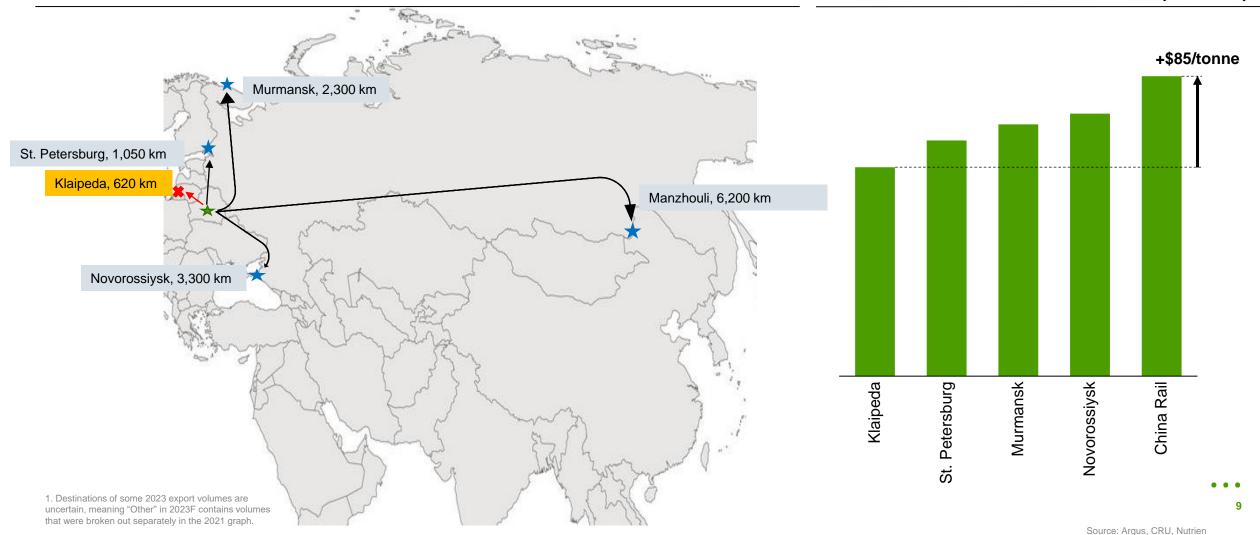


^{1.} Destinations of some 2023 export volumes are uncertain, meaning "Other" in 2023F contains volumes that were broken out separately in the 2021 graph.

Belarussian potash rail exports to China are increasing, resulting in a higher cost-to-serve

Belarus Rail Distances

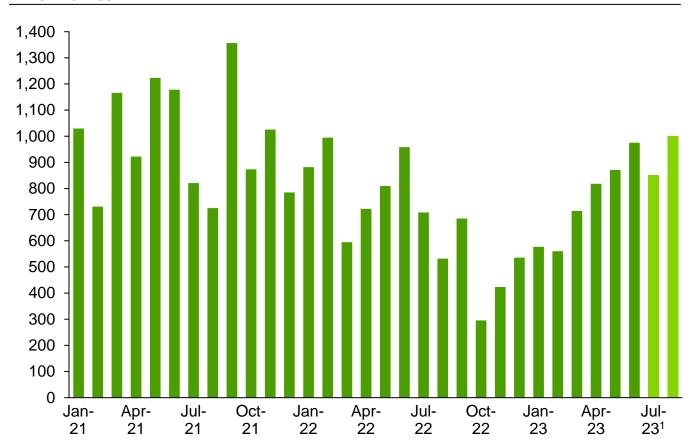
Belarus Cost-to-Serve China Port (\$/tonne)



Russian potash exports have increased in 2023 but remain well below 2021 levels

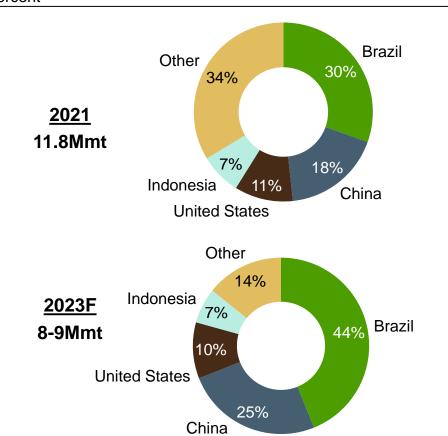
Russia Monthly Potash Exports

Million Tonnes



Russia Potash Exports by Destination

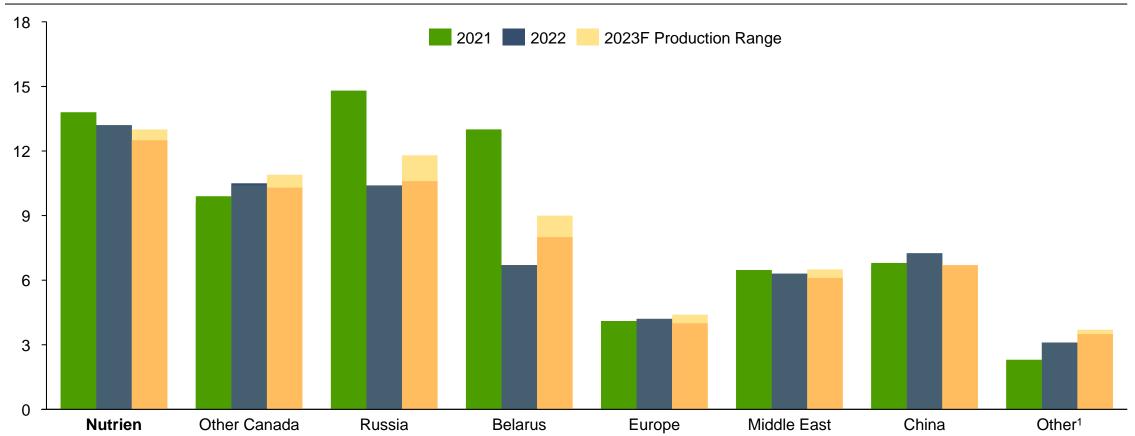
Percent



Potash Production in Selected Regions

Potash Production in Selected Regions

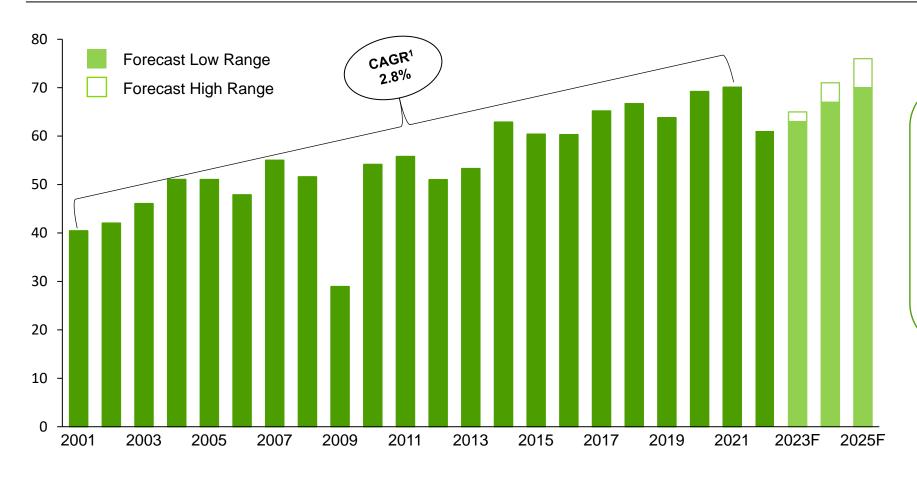
Millions of Tonnes KCI



Expect long-term potash demand in line with historical growth rates

Global Potash Demand

Millions of Tonnes KCI

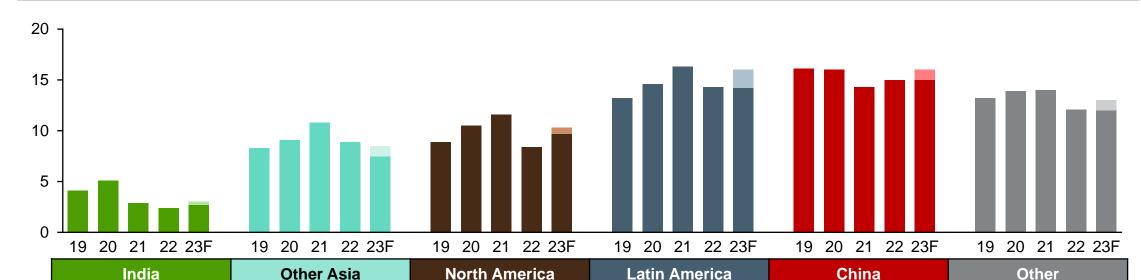


- Historical periods of below trend demand have been followed by years of strong demand growth
- Nutrien's projected potash demand by 2025 falls in line with historical market growth rates

Expect increased potash demand in North America and Brazil in 2023

Potash Demand

Millions of Tonnes KCI



2023 Forecast 2.7 – 3.0Mmt 7.5 – 8.5Mmt

2.4Mmt

affordability based on lower

prices, although we anticipate

Potential for improved

shipments will fall below

historical levels.

Buyers destocked inventories through the first half of 2023. Palm oil prices are supportive of demand and buyers have started to reengage given lower inventory levels.

8.9Mmt

9.7 – 10.3Mmt

Increased acreage and strong crop commodity prices led to healthy demand in spring 2023 and depleted channel inventories to historically low levels, which supported strong engagement on summer fill programs

14.2 – 16.0Mmt

14.3Mmt

Brazil's 1H'23 imports are inline with recent years and the domestic shipments have picked up recently driven by attractive potash affordability.

15.0 - 16.0Mmt

15.0Mmt

China's 2023 potash contract settled in June provided market participants with price clarity for the balance of 2023. Gov't policies incenting increased grain production are expected to support crop input use.

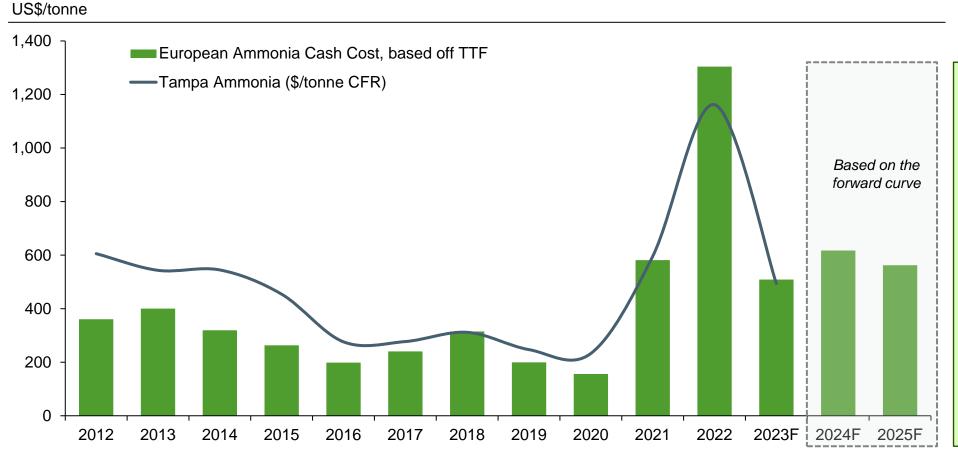
12.0 - 13.0Mmt

12.1Mmt

Growing demand for NPK fertilizers are expected to continue boosting potash demand in the long-run, however supply constraints likely to result in below trend demand in 2023.

European natural gas prices are well above long-term average levels and have led to ~25% of European nitrogen capacity curtailed

European Gas, Ammonia Production Cost¹ and Key Ammonia Prices

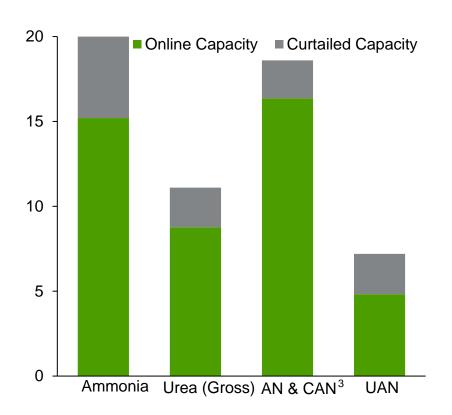


- European natural gas forward prices are currently trading above \$15/MMBtu through 2023, and remain above pre-2021 highs through 2028
- Natural gas prices and in turn nitrogen prices are likely to be volatile depending on Russia/EU relations and demand factors including weather

Nitrogen supply from key regions remains constrained

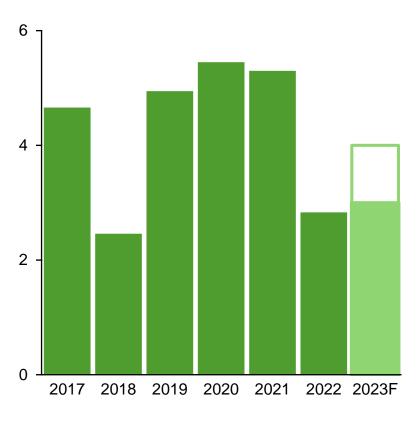
Russian Ammonia Exports Million Tonnes

European Nitrogen Capacity^{1,2} Million Tonnes



China Urea Exports

Millions of Tonnes



2023F

2021

2020

2022E

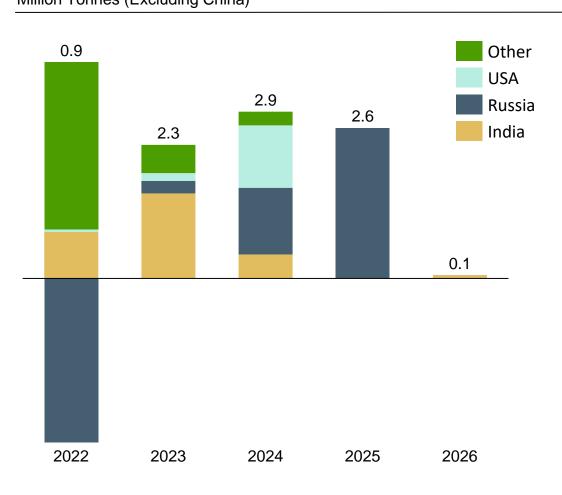
[.] Capacity curtailments are point in time as of September 1, 2023, and represent current annualized run rate capability, vs estimated operating capacity.

Russia excluded from capacity curtailments.

Curtailments to AN & CAN are estimated based on total nitrate curtailments.

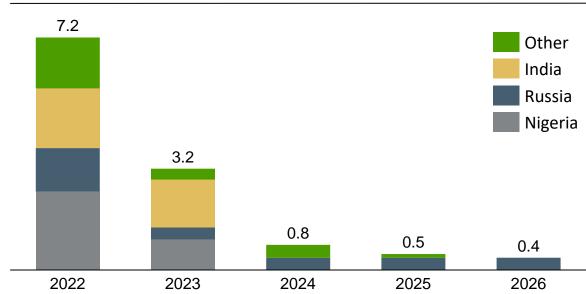
Relatively slow nitrogen capacity growth is expected, with higher uncertainty around Russia

Global Gross Ammonia Operational Capability Additions Million Tonnes (Excluding China)



Global Gross Urea Operational Capability Additions

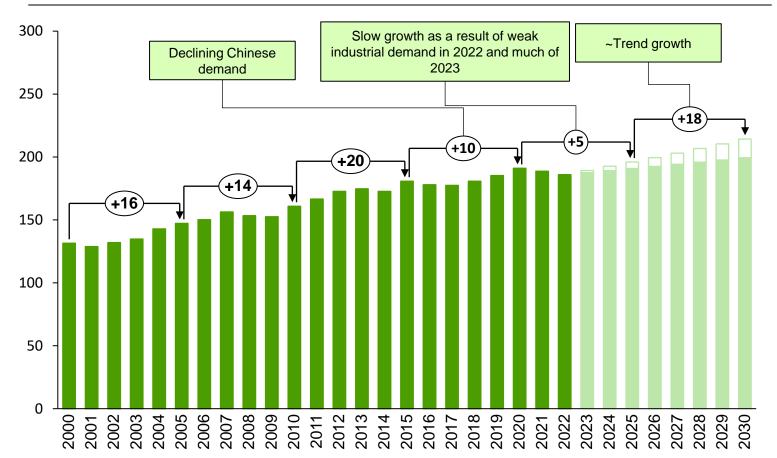
Million Tonnes (Excluding China)



Industrial nitrogen demand has been weak the last few years, but a strong tendency to revert to trend over the long-term

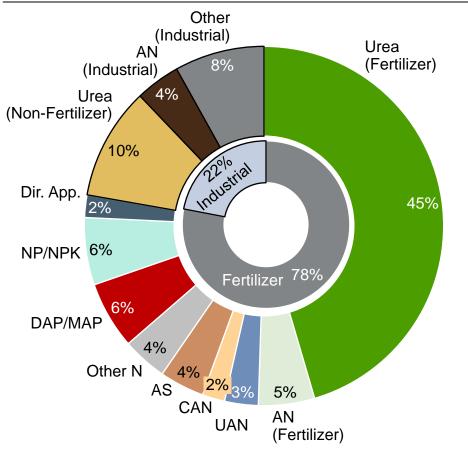
Global Ammonia Demand

Million Tonnes of Ammonia



Global Ammonia Demand by End Use

% of Ammonia End Uses





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