

Trade in Fertilizers – An Overview

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Outline



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1. Scope and policy context



Today's focus:

Trade-related climate measures

Public policy goals:

- Environmental...
- ... and social, economic goals (food security, poverty reduction, etc.)

Environmental goals:

- Climate action...
- ... and biodiversity, land and water management, etc.

Climate change goals:

- Mitigation...
- ... and adaptation.



"Concerned also that rising prices of food, agricultural products, and production inputs, including **fertilizers**, and associated trade restrictions, as well as increasing energy and transportation costs, could have lasting consequences for global food security in the coming years;"

"3. We commit to take concrete steps to facilitate trade and improve the functioning and longterm resilience of global markets for food and agriculture, including cereals, **fertilizers**, and other agriculture production inputs. Particular consideration will be given to the specific needs and circumstances of developing country Members, especially those of least-developed and net food-importing developing countries."

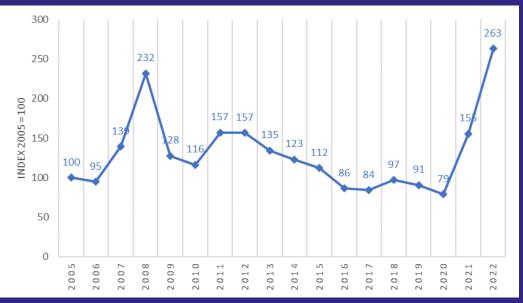
3. Price trends



- Fertilizer prices hit record highs in nominal terms in 2022
- They have since **declined** by more than 40%
- BUT: prices remain almost twice the level they were two years ago

Source: "Rising Food Insecurity: Assessing Policy Responses. A report prepared at the request of the Group of 20 (G-20)". Food and Agriculture Organization of the United Nations, World Trade Organization, and World Bank Group, April 2023.

Index of fertilizer prices, 2005-2022. (2005 = 100)



Note: includes DAP, Potash, UREA.

Source: IMF commodity prices.

3. Price trends: May 2023



Price trends of main fertilizer products in April:

- Varied by region
- Northern hemisphere: strong demand pushed prices upward, especially in the US
- Elsewhere: prices softened

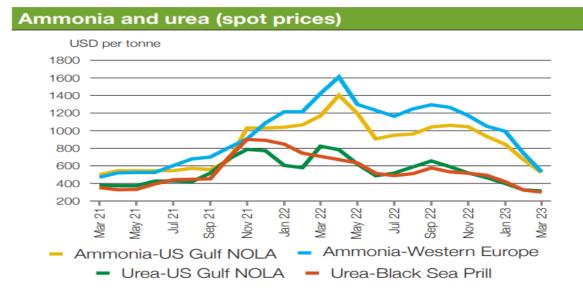
Supply:

- International markets generally well-supplied
- Prices are therefore well below levels one year ago

Source: AMIS Market Monitor, May 2023



Prices have fallen for all types of fertilizers (1)

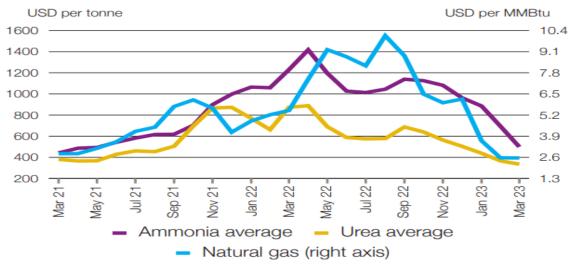


Source: AMIS Market Monitor, May 2023



Prices have fallen for all types of fertilizers (2)

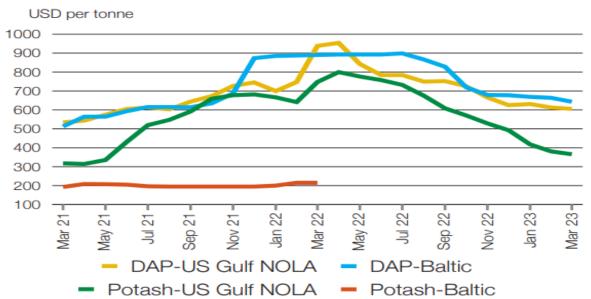






Prices have fallen for all types of fertilizers (3)





4. Production of fertilizers



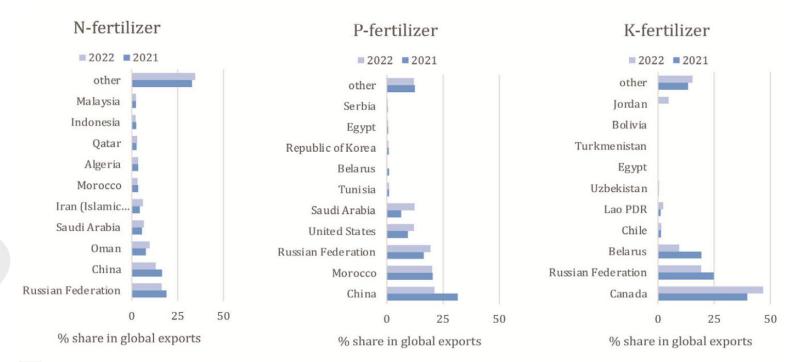
Production:

- Relatively few countries export fertilizers
- Concentration of supply means fertilizers markets are vulnerable to shocks

Source:

Global fertilizer supply is highly concentrated





Note: N = nitrogenous fertilizer; P = phosphorous fertilizer; K = potassic fertilizer

Source:

5. Consumption of fertilizers



Consumption:

- Most large food-producing countries have secured their fertilizer needs for the 2022/23 season
- BUT: many LDCs have unmet import needs, especially in sub-Saharan Africa

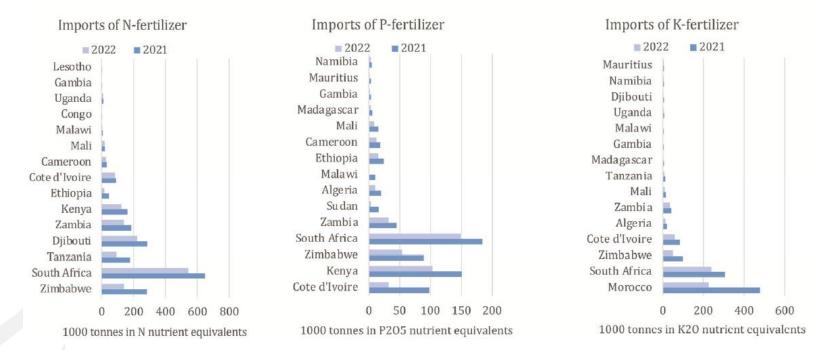
Impacts:

• Higher agricultural input prices translate into higher farm production costs, lowering use of inputs, yields, and quality, and eventually pushing up food prices

Source:



Consumption: Many African countries face fertilizer import deficits

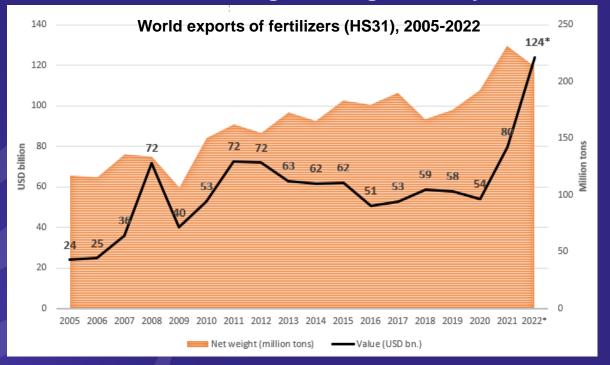


Source:

6. Fertilizers: trade flows



Trade in fertilizers has grown significantly since 2005

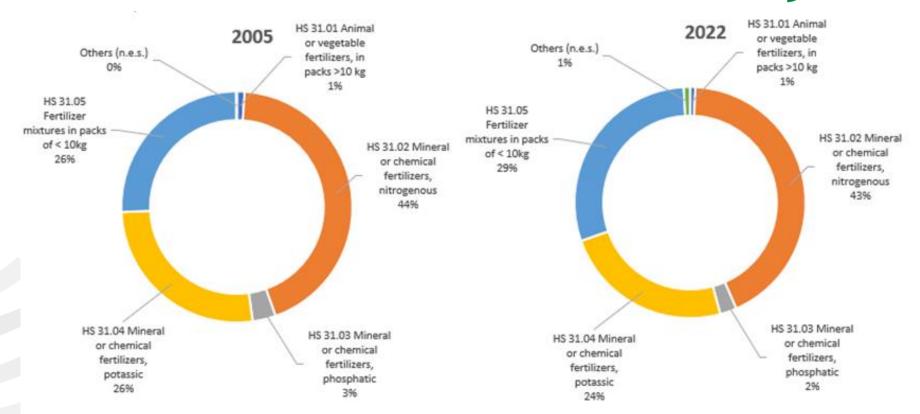


Note: preliminary estimate based on importer data.

Source: WTO estimates based on data from UN Comtrade (2005-2021) and Trade Data Monitor (2022).

Nitrogenous fertilizer is the most traded type

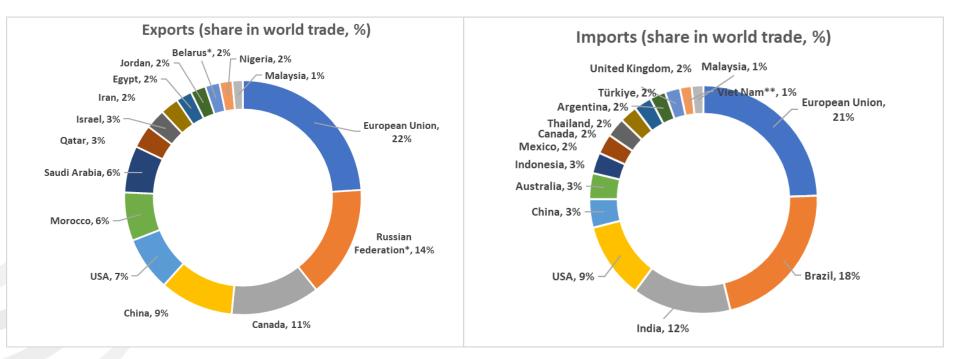




Source: WTO estimates based on data from UN Comtrade (2005) and Trade Data Monitor (2022; importer data).

Top 15 traders of fertilizers, 2022



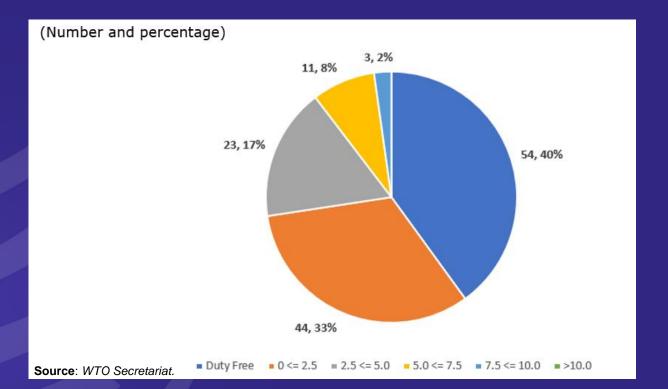


- * Estimate based on partner data.
- ** Estimate based on price developments.
- Source: WTO estimates, based on data from Comtrade and Trade Data Monitor.

7. Fertilizers and trade policy

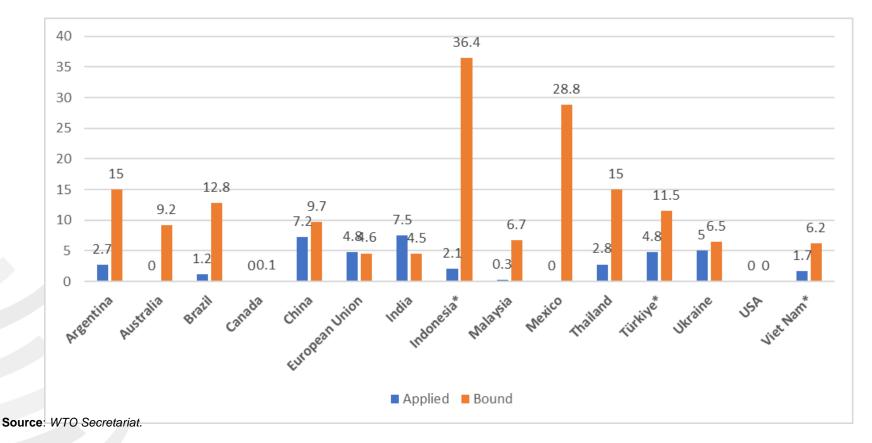


Around 40% of Members do not levy any tariffs on fertilizers



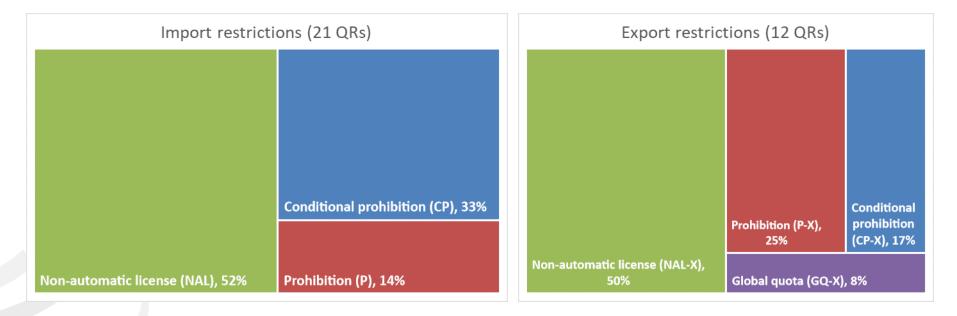
Tariffs on fertilizers tend to be relatively low





Notified import and export restrictions, 2020-2023





According to WTO Trade Monitoring Mechanism, 8 measures on fertilizers introduced since February 2022, 5 measures are currently in place; three measures were notified to the WTO

8. WTO work with others on fertilizers World Trade Organization

1. UN SG's Global Crisis Response Group on Food, Energy, and Finance:

- Participation in the Fertilizer Working Group
- <u>https://news.un.org/pages/global-crisis-response-group/</u>

2. Joint study with FAO on fertilizers:

- November 2022
- <u>https://www.wto.org/english/news_e/news22_e/igo_14nov22_e.htm</u>
- 3. Joint report with FAO, World Bank Group on food security:
- April 2023
- <u>https://www.wto.org/english/news_e/news23_e/agri_13apr23_e.htm</u>

9. FAO-WBG-WTO food security report: World Trade Organization recommendations

1. Facilitate access; increase investment

Urgent action is needed to facilitate access to fertilizers for farmers in vulnerable areas, while also increasing investment in long-term solutions.

2. Improve fertilizer use *efficiency*

• Efforts must also be deployed to improve fertilizer use efficiency, for instance by investing in and using soil nutrient maps, and reduce dependency on mineral fertilizers.

3. Africa Fertilizer and Soil Health Summit: support outcomes

• The Africa Fertilizer and Soil Health Summit will be key to set priority actions for the continent, and its outcomes should be supported with concrete actions.

4. Trade: strengthen AMIS

• AMIS (Agricultural Market Information System) should be provided with adequate support to enable it to monitor world fertilizer markets and assess global supply chain logistical constraints.



Thank you!

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