

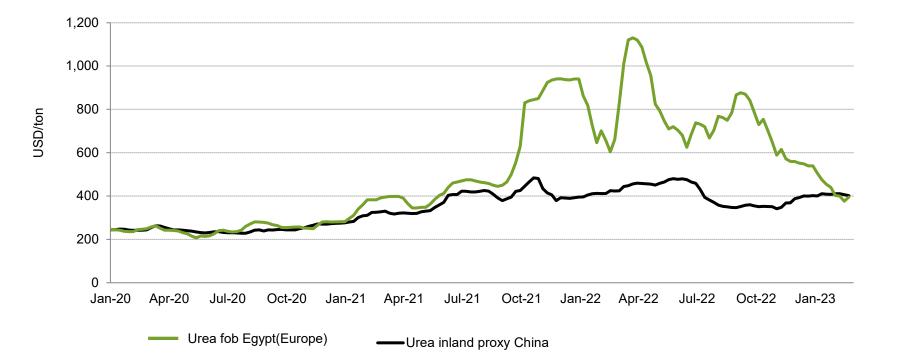
Knowledge grows

## Market Update

February 2023

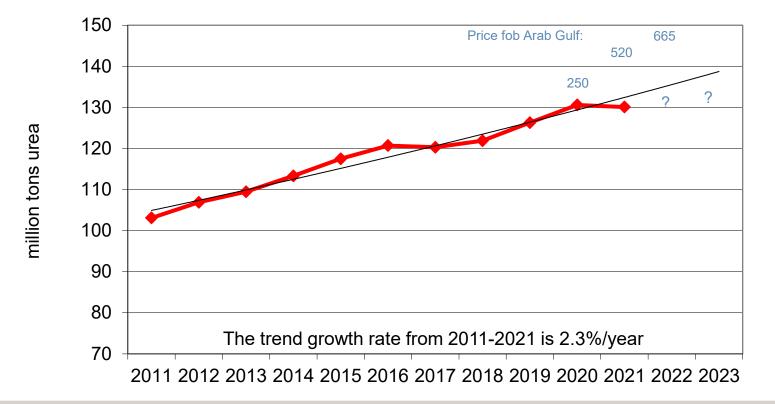


### **Urea prices - volatile**



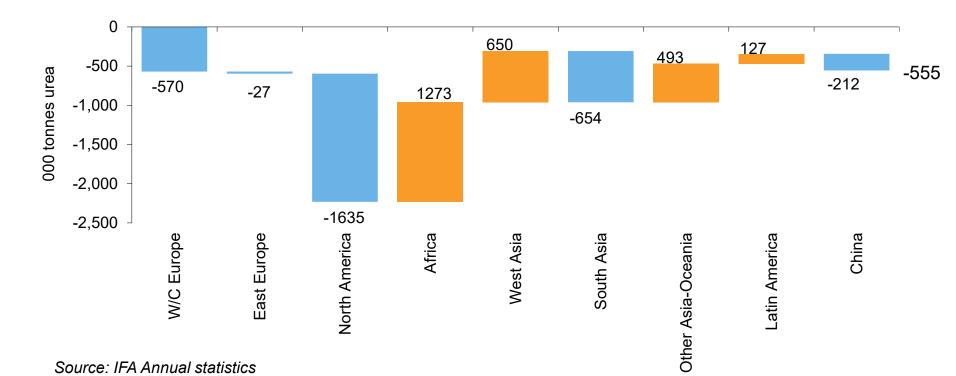


## Apparent urea consumption ex. China – limited by supply





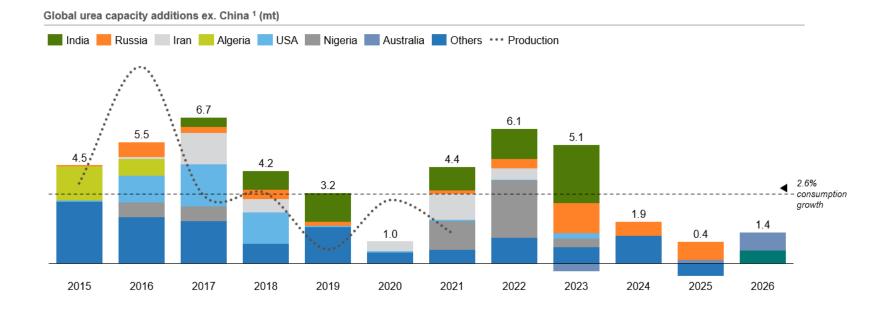
# Urea supply outside China decreased by 0.4% (0.6 million tons ) in 2021, to 130.1 million tons



VARA

**0**4

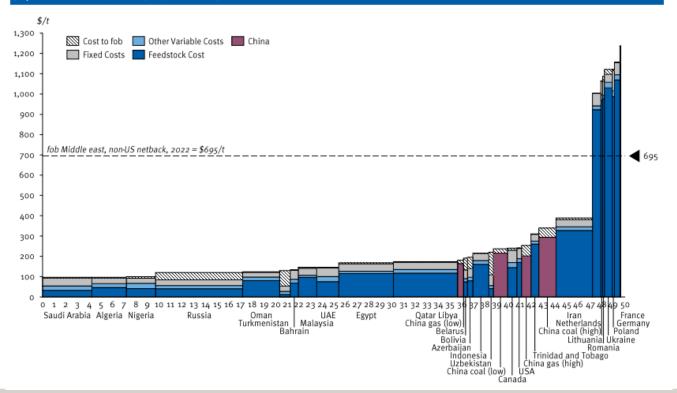
## Peak of capacity additions is now



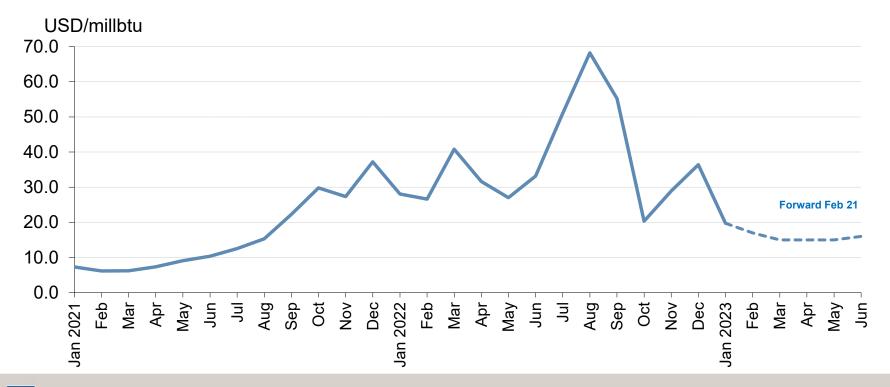
1) Urea projects assessed as "probable" by CRU. Source: CRU Dec 2022

## Urea supply curve is vertical around 2022 pricing

Export cost curve, 2022 (fob/fca basis)

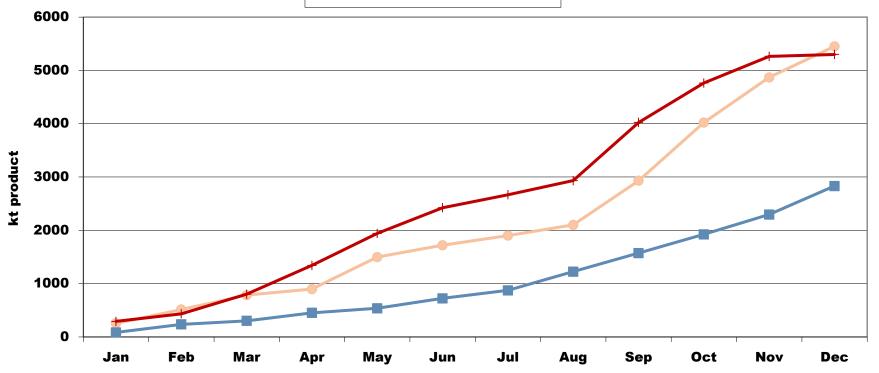


## European natural gas (TTF) – below USD20/millbtu



#### **Urea export from China – stronger recently**

**→**2020 **→**2021 **→**2022





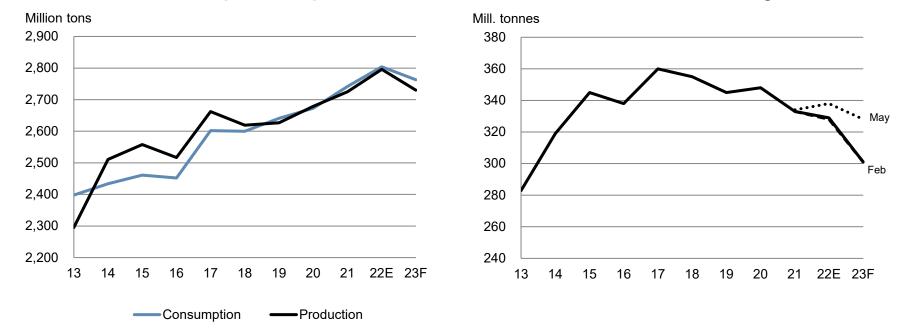
## Food prices still high, although down from 2022 peak



\*The real price index is the nominal price index deflated by the World Bank Manufactures Unit Value Index (MUV)



## **Declining grain inventories**

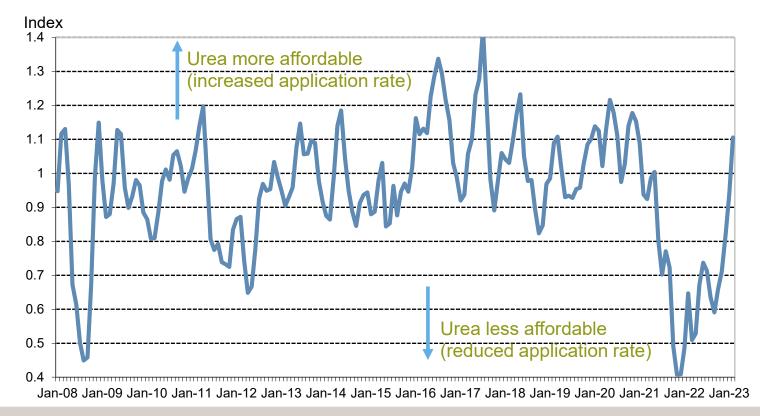


Grain stocks – excluding China

#### Grain consumption and production

Source: USDA February 2023

## Cereal index/urea index – Feb 23 highest since Dec 20



Source: International publications, FAO (2014-2016 = 100) for both FAO cereal index and urea fob Arab Gulf



## **US net nitrogen imports**

