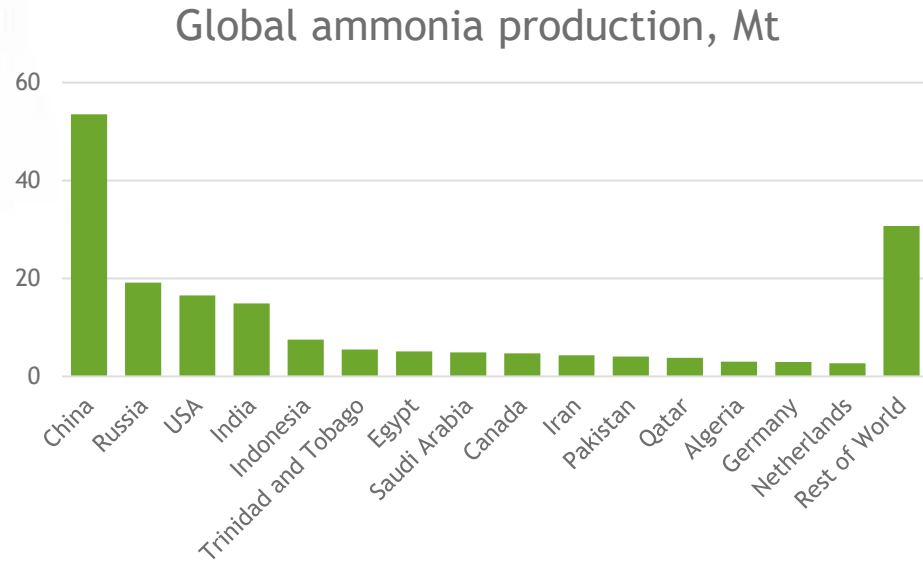




An Introduction to Fertilizer Production and Trade

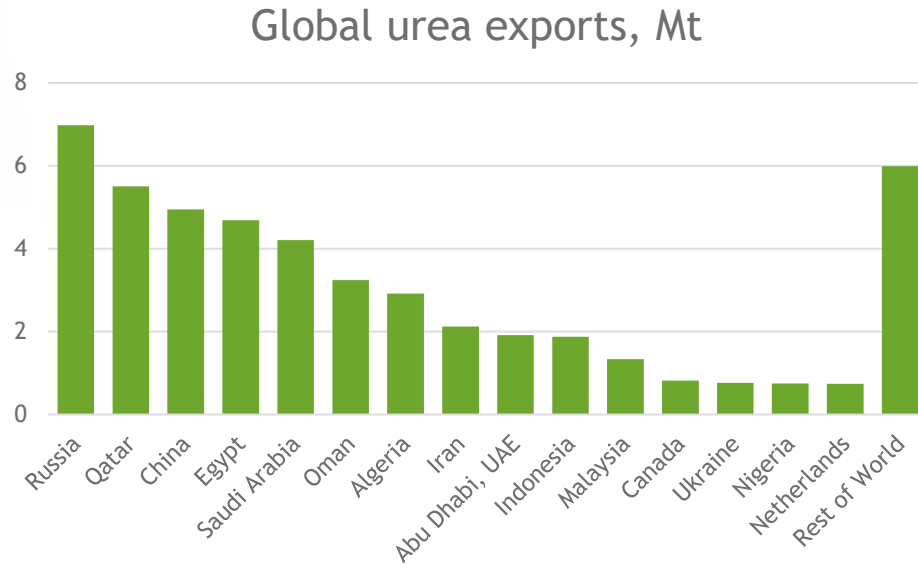
All data derived from www.IFASTAT.org

Nitrogen production, 2019



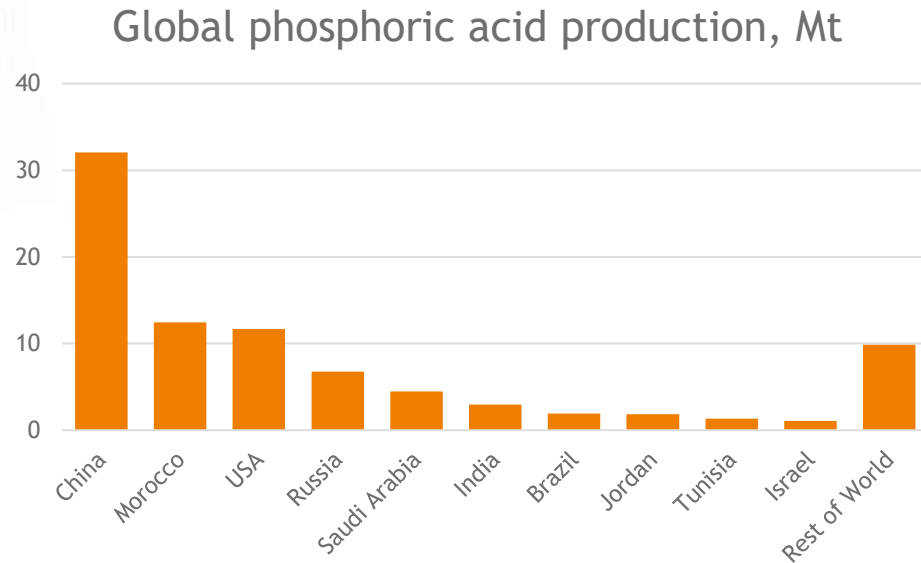
- Gross ammonia production can be used as a proxy for total nitrogen production.
- In 2019, global nitrogen production totaled 183 Mt of ammonia (150 Mt in N tonnes).
- The top four producing countries (and their contribution to the world total) were China (29%), Russia (10%), the US (9%) and India (8%).

Nitrogen trade, 2019



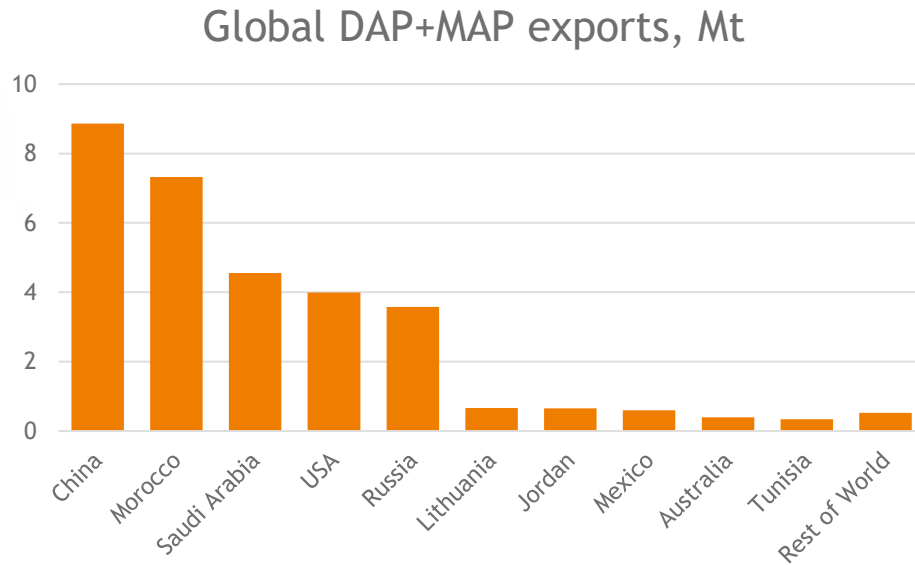
- While ammonia is the best measure of gross production, urea is a better measure of nitrogen trade as it is the most commonly produced and consumed finished product.
- In 2019, the top four urea exporters - Russia, Qatar, China and Egypt - accounted for 45% of global trade volume.

Phosphate production, 2019



- Gross phosphoric acid production can be used as a proxy for total processed phosphate production.
- Global processed phosphate production totaled 86 Mt of phosphoric acid (47 Mt in P₂O₅ tonnes).
- The top four producing countries in 2019 (and their contribution to the world total) were China (37%), Morocco (14%), the US (14%) and Russia (8%).

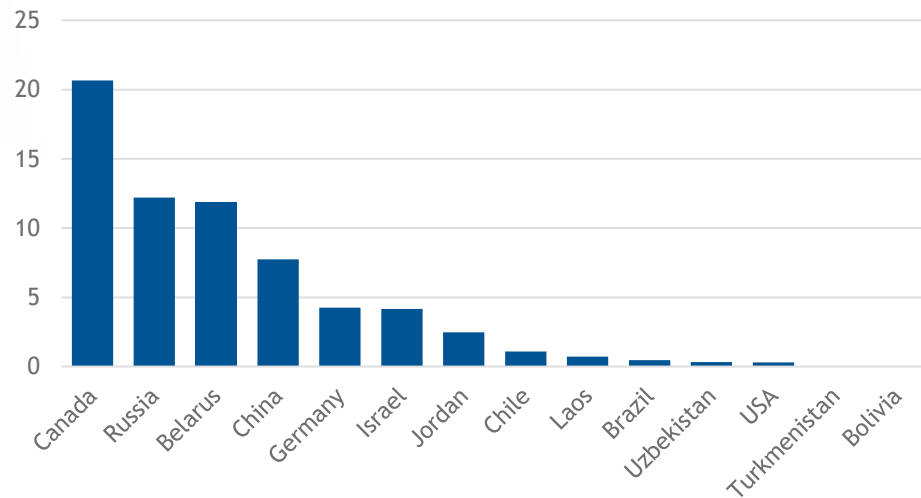
Phosphate trade, 2019



- The top four exporting countries of major processed phosphates (DAP and MAP) - China, Morocco, Saudi Arabia and the US - accounted for 79% of global trade.

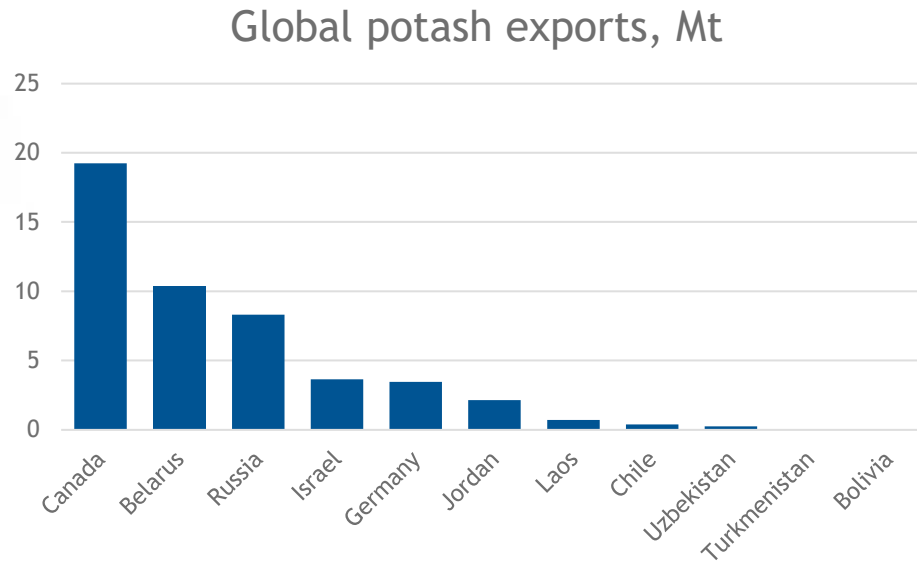
Potash production, 2019

Global potash production, Mt



- Global potash production was 66 Mt in 2019 (40 Mt in K₂O tonnes).
- The top four producing countries (and their contribution to the world total) were Canada (31%), Russia (18%), Belarus (18%) and China (12%).

Potash exports, 2019



- In 2019, the top four potash exporters - Canada, Belarus, Russia and Israel - accounted for 85% of global trade volume