



Market Analytics: Urea - 2023

Market Analytics: Urea - 2023 is one in a series of reports published as part of NexantECA's Markets & Profitability program.

Market Analytics: Urea - 2023 report provides an in-depth analysis of the Urea industry.

Published: November 2023

Along with the written report, NexantECA's Online Database includes supply, demand and trade analysis for 40 countries and global capacity listings updated on a monthly basis.

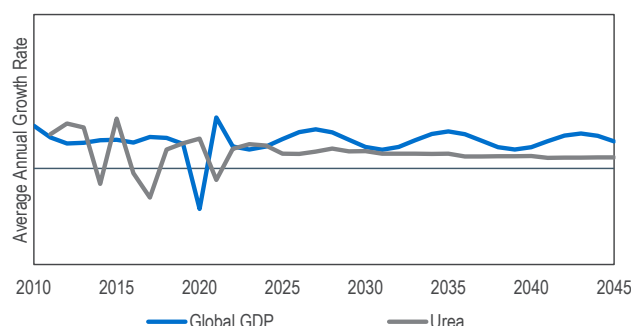
Report Abstract:

The ammonia and urea industries represent significant and vital components of the chemical economy. They serve as significant sources of revenue and employment, in particular within countries with significant availability of feedstocks such as natural gas and coal. The principal application of ammonia and urea is within the fertilizer sector, which is critical to agricultural production and the wider world economy. The aim of this report is to provide an analysis of some of the major strategic issues for these important products.

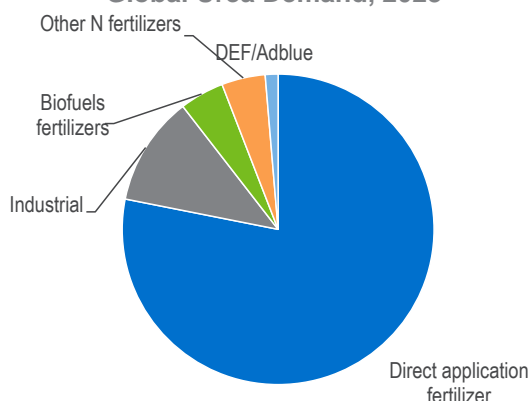
Urea production is the main end use of ammonia. Urea is used in many areas of the world as the primary source of nitrogen for crop nutrition. It has a high nitrogen content (46 percent), is an easily transportable solid at room temperature, and is traded widely on international markets. Additionally, urea's high nitrogen content, high solubility, and low toxicity render it unlikely that urea will be supplanted as the world's most important fertilizer in the foreseeable future.

Population growth is the primary driver for fertilizer demand growth. Unsurprisingly, different regions are expected to show vast variations in population growth over the forecast period. Asia Pacific and Africa are forecast to have a rapid increase in population size, whereas in Western Europe and North America population is expected to remain broadly constant through to 2045. Therefore, demand growth for food and hence fertilizers, are expected to be significantly higher in Asia Pacific and Africa (but other factors also influence fertilizer demand).

Global Urea Consumption Growth
million tons



Global Urea Demand, 2023



Diesel exhaust fluid (DEF) AdBlue is a registered trade name for an aqueous solution containing 32.5 percent urea. The product is used in a process called Selective Catalytic Reduction (SCR) to scavenge harmful nitrogen oxides (NOx) from vehicle exhaust emissions. AdBlue allows commercial diesel fuelled vehicles to meet stringent emissions criteria (such as Euro V & Euro VI, the auto emissions regulations in Europe), and is one of only two technologies which will allow vehicles to meet these standards - the second being exhaust gas recirculation (EGR) which, however, requires extensive vehicle modifications and results in decreased fuel efficiency. For these reasons, AdBlue/SCR appears to have significant growth potential as new vehicles are required to meet increasingly stringent emissions criteria.

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Chapter 5 is segmented by key regions:

- North America
- South America
- Western Europe
- Central Europe
- Eastern Europe
- Middle East
- Africa
- Asia Pacific

Each region/country is further segmented by:

- **Consumption:** Assesses historic and forecast consumption; forecasts are based on projections of end use and economic activity.
- **Supply:** Includes a list of all producers, their production capacity, location, etc., and discussion of the status of new projects.
- **Supply, Demand and Trade:** Provides historical analysis and forecasts to 2045 of consumption, production, imports/exports, inventory build-up/decline, capacity and capacity utilization.

This analysis will identify the issues shaping the industry, as well as provide an independent appraisal of the market.

For related analysis, please refer to:

[Profitability and Price Forecasts: Urea](#)
[Quarterly Business Analysis](#)

Subscription Details:

Subscription to **Market Analytics: Urea - 2023** includes:

- 12 month access via the NexantECA website, to:
 - Unlimited downloads of PDF reports
 - Downloadable data in Excel from the Online Database
- Webinar
- Consultation time with the project team

Customized subscriptions are also available.

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NexantECA Subscriptions and Reports provide clients with comprehensive analytics, forecasts and insights for the chemicals, polymers, energy and cleantech industries. Using a combination of business and technical expertise, with deep and broad understanding of markets, technologies and economics, NexantECA provides solutions that our clients have relied upon for over 50 years.

The **Markets and Profitability** program comprises of the well-known Petroleum and Petrochemical Economics (PPE), PolyOlefins Planning Service (POPS), Strategic Business Analysis (SBA) and World Gas Analytics (WGAS).

Markets and Profitability tracks over 60 feedstocks, petrochemicals, polymers, chemical intermediates and fertilizers on an ongoing basis and provides regularly updated reports covering all commercial aspects of these global industries. The accompanying database, provides global analysis and forecasts in two major inter-related areas: **Markets and Profitability**.

NexantECA serves its clients from over 10 offices located throughout the Americas, Europe, the Middle East, Africa and Asia.

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