

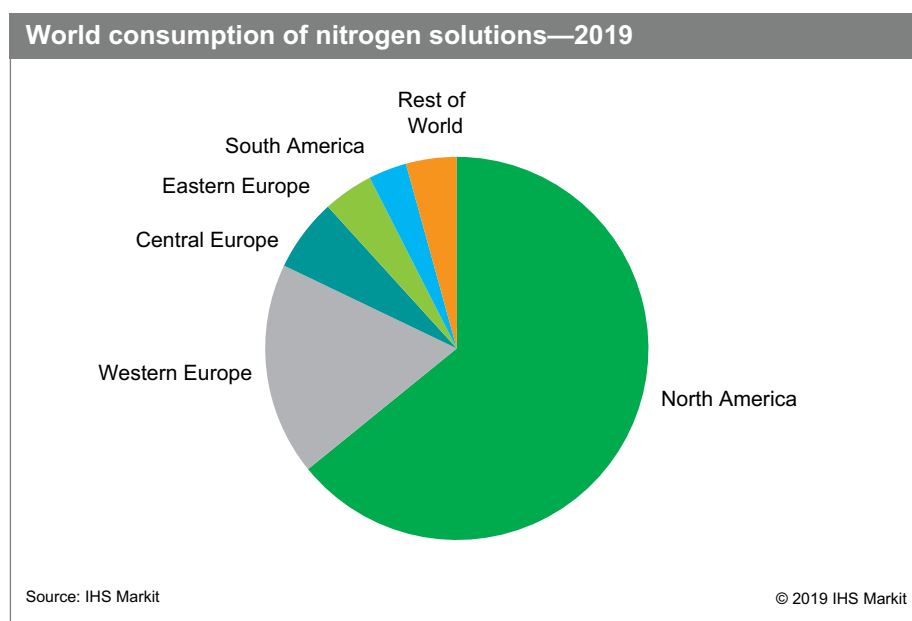
Nitrogen Solutions

15 October 2019

Abstract

Nitrogen solutions are water solutions of selected nitrogen chemicals that are blended rather than being the products of chemical reaction. Nitrogen solutions are used almost exclusively as fertilizer materials, and urea-ammonium nitrate (UAN) solutions, containing 28–32% nitrogen, account for the bulk of the market. Global consumption is concentrated in North America, especially the United States, and in Western Europe.

The following chart shows consumption of nitrogen solutions by major region:



Fertilizer use of nitrogen solutions is largely confined to countries that have highly developed agricultural economies, where the use of irrigation is common and transportation logistics allow for the distribution of liquid products. Very little consumption occurs in the developing regions of the world, as consumers are accustomed to using dry products and logistics prohibit economical transportation. Nitrogen solutions account for only about 6% of the total global nitrogen fertilizer market.

Global consumption of nitrogen solutions will continue to grow at an average annual growth rate of 1.1% during 2019–24, driven primarily by the markets in North America, particularly the United States. The United States has been enjoying the benefits associated with the increasing production of unconventional natural gas from shale-based resources since 2010. This, coupled with the declining prices of crude oil, has resulted in dramatic increases in infrastructure investments to take advantage of reduced raw material costs, especially within the nitrogenous fertilizer industry.

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This report provides an excellent insight into the global market for nitrogen solutions, as well as the major urea–ammonium nitrate (UAN) solutions producers associated with the production of such fertilizers. It has been compiled using primary industry research and brings together elements of other fertilizer-related reports in IHS Markit’s Chemical Economics Handbook (CEH).

For more detailed information, please see the table of contents listed below.

IHS Markit’s Chemical Economics Handbook *Nitrogen solutions* is the comprehensive and trusted guide for anyone seeking information into this industry. This latest report details global and regional information, including:



Global summary;
regional coverage



Producers with
annual capacities
and plant sites



Production figures
and trends



Consumption and
forecasts by end use
application



Manufacturing
processes and
environmental issues



Trade – imports
and exports

Key benefits

IHS Markit’s Chemical Economics Handbook – *Nitrogen solutions* has been compiled using primary interviews with key suppliers and organizations, and leading representatives from the industry in combination with IHS Markit’s unparalleled access to upstream and downstream market intelligence and expert insights into industry dynamics, trade, and economics.

This report can help you:

- Identify trends and driving forces influencing chemical markets
- Forecast and plan for future demand
- Understand the impact of competing materials
- Identify and evaluate potential customers and competitors
- Evaluate producers
- Track changing prices and trade movements
- Analyze the impact of feedstocks, regulations, and other factors on chemical profitability

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