

# Nitrogen Solutions

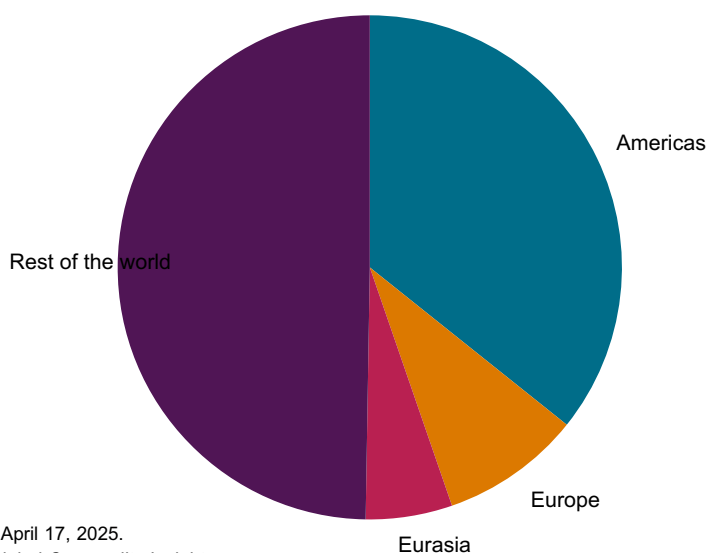
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## Abstract

Nitrogen solutions are water solutions of selected nitrogen chemicals that are blended rather than being the products of a chemical reaction. Nitrogen solutions have been used almost exclusively as fertilizer materials. 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 Western Europe.

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

### World consumption of nitrogen solutions — 2025



Data compiled April 17, 2025.  
Source: S&P Global Commodity Insights.  
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Fertilizer use of nitrogen solutions is largely confined to countries with 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 developing regions of the world, as consumers are accustomed to using dry products and logistics prohibit economical transportation. Nitrogen solutions account for only a minor share of the total global nitrogen fertilizer market.

Global consumption of nitrogen solutions will decrease slightly during the forecast period, driven primarily by the markets in North America, particularly the United States.

This report provides an excellent insight into the global market for nitrogen solutions, as well as the major urea-ammonium nitrate (UAN) solution 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 S&P Global's Chemical Economics Handbook (CEH).

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

**S&P Global'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

**S&P Global'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 S&P Global'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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