



Tabbre Research

# The Global Ammonia Market

Charles Cunningham

London

August 2024



# Abstract

The Global Ammonia Market 2023 report provides an in-depth analysis of the current state of the ammonia industry. In 2023, global ammonia production was estimated at approximately 150 million metric tons, reflecting a slight decrease from previous years, where production levels ranged between 180-185 million tons annually. Despite this, the global production capacity remains higher, at around 235 million metric tons per annum, with projections indicating a potential increase to 270 million metric tons by 2030. The market value of ammonia is estimated to be around \$45-55 billion annually, based on typical price ranges. Key producers include China, which accounts for about 30% of global production, followed by the United States, European Union, India, Russia, and Middle Eastern countries. The majority of ammonia, approximately 80%, is used for fertilizer production, with the remaining 20% utilized in various industrial applications. The report also highlights a growing interest in "green" and "blue" ammonia production methods, aiming to reduce carbon emissions associated with traditional production processes.

## Table of Contents

Abstract.....	2
The Global Ammonia Market.....	2
Production Volume.....	2
Production Capacity.....	2
Market Value.....	3
Key Producers.....	3
Usage.....	3
Citations.....	3

## The Global Ammonia Market

Global ammonia production has remained relatively stable in recent years. Here are the key facts about annual ammonia production and its value:

### Production Volume

In 2023, global ammonia production was estimated at approximately 150 million metric tons[1]. This represents a slight decrease from previous years, as production has hovered around 180-185 million tons annually in the recent past[4].

### Production Capacity

The global production capacity for ammonia is higher than actual production:

- In 2023, the worldwide ammonia production capacity was estimated at about 235 million metric tons per annum[3].
- This capacity is forecast to increase to around 270 million metric tons per annum by 2030[3].

## Market Value

While an exact global market value is not provided in the search results, we can estimate the value based on production volume and typical prices:

- Ammonia prices can vary significantly, but have typically ranged from \$200-\$600 per ton in recent years.
- Using a conservative estimate of \$300 per ton, the global ammonia market value would be approximately \$45-55 billion annually.

## Key Producers

- China is the largest producer, accounting for about 30% of global production[2].
- Other major producers include the United States, European Union, India, Russia, and Middle East countries, each accounting for 8-10% of global production[2].

## Usage

- Approximately 80% of ammonia is used for fertilizer production[4].
- The remaining 20% is used for various industrial applications, including synthetic fibres, plastics, explosives, and refrigeration[4].

The ammonia market is evolving, with increasing interest in "green" and "blue" ammonia production methods to reduce carbon emissions associated with traditional production processes[4].

## Citations

[1] <https://www.statista.com/statistics/1266378/global-ammonia-production/>

[2] <https://www.iea.org/reports/ammonia-technology-roadmap/executive-summary>

[3] <https://www.statista.com/statistics/1065865/ammonia-production-capacity-globally/>

[4] <https://www.nexanteca.com/blog/202112/global-ammonia-market-snapshot>

[5] <https://ammoniaenergy.org/articles/the-cost-of-co2-free-ammonia/>