

# United States Agrochemical Intermediates Market, By Product Type (Amines, Alkyl Amines, Aldehydes, Acids, Others), By Application (Herbicides, Insecticides, Fungicides, Nematicides, Others), By Region and Competition, Forecast & Opportunities, 2018-2028F

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## Abstracts

The United States Agrochemical Intermediates Market achieved a valuation of USD 9055.05 Million in 2022, and it is projected to experience substantial growth throughout the forecast period, with a projected Compound Annual Growth Rate (CAGR) of 4.14% until 2028 and is expected to reach at USD 11540.31 million by 2028. Agrochemical intermediates, chemical compounds serving as raw materials or foundational components in the production of agrochemicals, play a pivotal role in agriculture by bolstering crop yields and safeguarding plants from pests and diseases. These intermediates are extensively utilized to manufacture pesticides such as herbicides, fungicides, and insecticides. Notable examples include 4-Fluorotoluene Diethyl Phosphorochloridothionate, 2-Chloro-5-Chloro Methyl Pyridine, 2-Chloro-6-(Trichloromethyl) Pyridine, and 2-Chloropropionic Acid. Alkylamines, amines, aldehydes, and acids are commonly used agrochemical intermediates among end users.

Furthermore, agrochemical intermediates are fundamental to modern agriculture, contributing significantly to crop quality maintenance, reduced environmental impact, and heightened crop yields. Although concerns surrounding the use of synthetic agrochemicals have arisen due to potential environmental and human health repercussions, ongoing research and development endeavors are paving the way for the creation of more sustainable and environmentally friendly agrochemicals. These

factors collectively contribute to the growth of the United States Agrochemical Intermediates Market during the forecast period.

#### Key Market Drivers:

1. Escalating Soil Depletion Driving Market Growth: Soil depletion has emerged as a significant challenge in agriculture due to intensive farming practices and population growth. The resulting decline in soil quality has led to increased demand for agrochemical intermediates, which offer a potential solution to enhance agricultural productivity and soil health. Agrochemical intermediates play a vital role in mitigating the effects of soil depletion by replenishing essential nutrients, enabling precise nutrient application, and enhancing soil structure, water retention, and microbial diversity. This phenomenon has driven the demand for agrochemical intermediates, fostering the growth of the United States Agrochemical Intermediates Market.

2. Rising Adoption of Modern Farming Practices: The adoption of modern farming practices is crucial to meeting food demand while minimizing environmental impact. Agrochemical intermediates are integral to this transformation, facilitating the adoption of practices such as precision agriculture, integrated pest management (IPM), and conservation agriculture. These practices optimize resource utilization, reduce waste, enhance soil health, and improve crop yields. The harmonious integration of agrochemical intermediates enhances the efficiency of modern farming techniques, contributing to market growth.

3. Growing Demand for Food: Population growth, urbanization, and changing dietary preferences have led to an unprecedented surge in food demand. Agrochemical intermediates are pivotal in supporting global agriculture by enabling the production of abundant, high-quality food in the face of limited arable land and a changing climate. They are instrumental in the creation of pesticides, herbicides, and fertilizers that protect crops, enhance soil fertility, and optimize nutrient management. The growing food demand drives the need for agrochemical intermediates, propelling the United States Agrochemical Intermediates Market.

#### Key Market Challenges:

1. High Cost of Agrochemical Intermediates: The cost of agrochemical intermediates can be prohibitive, limiting their accessibility to farmers. Factors contributing to high costs include research and development efforts, complex manufacturing processes, and supply-demand dynamics for sustainable alternatives. The expense of developing and

refining bio-based or advanced agrochemical intermediates, especially those derived from novel sources, contributes to higher pricing.

2. **Soil pH Regulation:** Soil pH significantly influences crop growth and nutrient availability. Soil pH impacts the efficacy of agrochemical intermediates, as it influences nutrient solubility and chemical transformations. The challenge of regulating soil pH to optimal levels can impact the performance of agrochemical intermediates, potentially affecting market growth.

#### Key Market Trends:

1. **Sustainable Farming:** The adoption of sustainable farming practices is reshaping the agricultural landscape. Agrochemical intermediates play a pivotal role in this transformation by enabling targeted and precise application of inputs, reducing environmental impact, and promoting resource efficiency. Sustainable farming practices align with consumer demand for environmentally friendly and ethically produced food, driving the utilization of agrochemical intermediates.

2. **Increasing Demand for Bio-Based Agrochemical Intermediates:** Bio-based agrochemical intermediates derived from renewable sources are gaining traction. These intermediates are crucial in the production of eco-friendly pesticides and fertilizers. The emphasis on sustainability, reduced environmental impact, and circular economy principles is driving the demand for bio-based agrochemical intermediates.

#### Segmental Insights:

##### Product Type Insights:

The amines segment is projected to experience the highest growth rate of 3.84% during the forecast period 2024-2028. Amines are versatile agrochemical intermediates used in the synthesis of various agrochemicals, including herbicides, fungicides, and insecticides. Their widespread application, cost-effectiveness, environmental sustainability, and regulatory compliance contribute to their prominence in the market.

##### Application Insights:

The herbicides segment is anticipated to achieve the highest growth rate of 4.63% during the forecast period 2024-2028. Herbicides are essential for effective weed control, leading to increased crop yields and improved food security. The demand for

herbicides is escalating due to rising food requirements and the need for sustainable agricultural practices.

### Regional Insights:

The Midwest United States Agrochemical Intermediates Market is poised for rapid growth during the forecast period, 2024-2028. The region is synonymous with conventional agriculture, and states like Illinois, Iowa, Indiana, and Missouri are hubs of extensive agriculture. These areas are known as the 'Corn Belt' and 'Grain Belt' due to their substantial contributions to agricultural production. As such, the Midwest region has a significant presence in the production and utilization of agrochemicals, making it a key player in the United States Agrochemical Intermediates Market.

### Key Market Players

Dow Inc.

Eastman Chemical Company

Noah Chemicals Corporation

Adama Agricultural Solutions Ltd

AGC Chemicals Americas, Inc.

GFS Chemicals, Inc.

### Report Scope:

In this report, the United States Agrochemical Intermediates Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

#### United States Agrochemical Intermediates Market, By Product Type:

Amines

Alkyl Amines

Aldehydes

Acids

Others

#### United States Agrochemical Intermediates Market, By Application:

Herbicides

Insecticides

Fungicides

Nematicides

Others

#### United States Agrochemical Intermediates Market, By Region:

Northeast

South

Midwest

West

#### Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the United States Agrochemical Intermediates Market.

#### Available Customizations:

The United States Agrochemical Intermediates Market report with the given market data, Tech Sci Research offers customizations according to a company's specific

*United States Agrochemical Intermediates Market, By Product Type (Amines, Alkyl Amines, Aldehydes, Acids, Othe...*

needs. The following customization options are available for the report:

#### Company Information

Detailed analysis and profiling of additional market players (up to five).

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