

United States Crop Protection Chemicals Outlook Report - Market Size, Share Analysis and Forecast (2025-2034)

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Report description:

United States crop protection chemicals market attained a value of nearly USD 11.26 Billion in 2024. The market is further expected to grow at a CAGR of 2.90% during the forecast period of 2025-2034 to reach a value of USD 14.99 Billion by 2034.

United States Crop Protection Chemicals Market Outlook

The market for crop protection chemicals in United States is poised for significant growth, driven by the rising demand for food production, fuelled by the increasing global population. As per industry reports, to meet the food demand of a projected 9.7 billion individuals by 2050, global food production will need to increase by approximately 70% from current levels. More specifically, world agriculture production would need to increase to around 14,000 trillion crop calories to feed 9.7 billion people in 2050, an increase of 47% from 2011. This creates a necessity for improved agricultural productivity, which can be achieved by using crop protection chemicals, leading to growth of the United States crop protection chemicals market. These chemicals are used to prevent pests, diseases, and weeds that threaten crop yields, thereby ensuring better food security.

In addition, advancements in crop protection chemical manufacturing have led to introduction of more synthetic, biological, and easy to apply products in the market. For instance, liquid chemicals offered by Bayer AG and Syngenta Corp are gaining popularity among farmers, driven by their ease of application. U.S. government support in form of subsidies and research funding has also improved the adoption of crop protection chemicals. For example, the Farm Bill provides subsidies for crops like soybeans, wheat, and corn. This support compensates for the costs incurred on purchasing crop protection chemicals. Moreover, recent surveys indicate that 20-40% of global crop production is lost or discarded each year because of pests, which underscores the pressing need for good quality crop protection solutions, thereby resulting in crop protection chemicals demand growth in United States.

Emphasis on Sustainable Farming Practices is One of the Emerging United States Crop Protection Chemicals Market Trends

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- Far West region is expected to lead with the highest CAGR of 5.7%, driven by increasing agricultural activities, a strong focus on sustainable farming practices, and a high adoption rate of advanced crop protection solutions.
- The Rocky Mountain region follows with a CAGR of 5.3%, supported by growing demand for high-value crops and the expansion of agricultural land.
- The Southwest, with a CAGR of 5.0%, benefits from a favorable climate for diverse crop production and increased investment in agriculture.
- The Southeast, growing at a CAGR of 4.9%, shows steady crop protection chemicals demand in United States due to a combination of favorable weather conditions and advancements in farming technologies.
- New England and the Mideast regions exhibit moderate growth with CAGRs of 4.6% and 4.2%, respectively, reflecting stable but slower-growing agricultural markets.
- The Plains and Great Lakes regions, with CAGRs of 3.9% and 3.7%, respectively, experience slower growth due to smaller market sizes and less intensive agricultural activity.

Biopesticides Dominate the United States Crop Protection Chemicals Market Share Due to Their Organic Nature

- In the market from 2024 to 2032, biopesticides are anticipated to experience the highest growth, with a CAGR of 5.4%, driven by the increasing shift towards organic farming and the growing demand for environmentally friendly crop protection solutions.
- Herbicides, with a CAGR of 5.2%, continue to see strong demand as they are essential for controlling weeds and improving crop yields.
- As per United States crop protection chemicals industry analysis, fungicides, with a CAGR of 4.7%, show steady growth due to their importance in preventing crop diseases, particularly in humid and warm climates.
- Insecticides, with a CAGR of 4.4%, remain crucial for controlling pests, although their growth is slightly slower compared to other types of crop protection solutions due to increasing regulatory scrutiny and the rise of integrated pest management practices.

Rising Demand for Fresh Fruits, Vegetables, Cereals, and Pulses is Driving United States Crop Protection Chemicals Market Growth

- Through 2024 to 2032, the fruits and vegetables segment is expected to lead with a CAGR of 5.4%, driven by the high value of these crops, the need for effective protection against pests and diseases, and the growing demand for fresh produce.
- The cereals and grains segment follows with a CAGR of 5.2%, reflecting the large scale of production and the critical role of these crops in global food security.
- The oilseeds and pulses segment, with a CAGR of 4.7%, shows steady growth due to their importance in both human and animal nutrition.
- The 'others' category, with a CAGR of 4.4%, includes various additional crop types that contribute to overall crop protection chemicals market share in United States at a slightly slower pace.

Key Questions Answered in the Report:

- How has the United States crop protection chemicals market performed historically, and what are the growth expectations for the future?
- What are the primary factors influencing demand and growth in the United States crop protection chemicals market?
- What are the key segments within the United States crop protection chemicals market, and how are they expected to evolve over the forecast period?
- What are the major challenges and opportunities facing stakeholders in the United States crop protection chemicals market?
- Who are the key players in the United States crop protection chemicals market, and what strategies are they employing to maintain a competitive edge?
- What are the regulatory and policy factors influencing the United States crop protection chemicals market globally or regionally?
- How competitive is the United States crop protection chemicals market according to Porter's five forces analysis, including

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factors like bargaining power of buyers and suppliers?

- What are the current trends shaping the United States crop protection chemicals market landscape, and how are they expected to evolve in the future?
- How are technological advancements impacting the United States crop protection chemicals market, and what role do innovation and R&D play in driving growth?
- What are the consumer preferences and buying behavior trends influencing the United States crop protection chemicals market?
- How sustainable are current growth rates in the United States crop protection chemicals market, and what factors could potentially disrupt these trends?
- What are the regional dynamics within the United States crop protection chemicals market, and how do they contribute to overall market growth?
- What are the economic factors influencing the United States crop protection chemicals market, such as GDP growth, inflation rates, and currency fluctuations?
- How are demographic shifts, such as aging populations or urbanization trends, affecting demand in the United States crop protection chemicals market?
- What are the key strategic partnerships, mergers, and acquisitions shaping the competitive landscape of the United States crop protection chemicals market?
- What are the regulatory and legal frameworks impacting the United States crop protection chemicals market globally or in key regions?
- How are changing consumer lifestyles and preferences influencing product or service demand within the United States crop protection chemicals market?
- What are the emerging market trends and niche opportunities within the United States crop protection chemicals market that stakeholders should be aware of?
- How resilient is the United States crop protection chemicals market to external shocks or disruptions, such as geopolitical tensions or natural disasters?
- What are the potential barriers to market entry and growth for new players in the United States crop protection chemicals market?

Key Benefits for Stakeholders:

Expert Market Research's industry report provides a comprehensive quantitative analysis of various market segments, historical and current market trends, and forecasts the dynamics of the United States crop protection chemicals market spanning from 2018 to 2034.

The research report delivers up-to-date insights into the market drivers, challenges, and opportunities shaping the United States crop protection chemicals market.

Stakeholders can leverage Porter's five forces analysis to assess the impact of new entrants, competitive rivalry, supplier power, buyer power, and the threat of substitution. This analysis aids in evaluating the competitiveness and attractiveness of the United States crop protection chemicals market.

The competitive landscape section enables stakeholders to gain a deep understanding of their competitive environment. It offers insights into the current market positions of key players, their strategies, and their market shares.

Additionally, the report highlights emerging trends, regulatory influences, and technological advancements that are pivotal for stakeholders navigating the United States crop protection chemicals market landscape.

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Table of Contents:

- 1 Executive Summary
 - 1.1 Market Size 2024-2025
 - 1.2 Market Growth 2025(F)-2034(F)
 - 1.3 Key Demand Drivers
 - 1.4 Key Players and Competitive Structure
 - 1.5 Industry Best Practices
 - 1.6 Recent Trends and Developments
 - 1.7 Industry Outlook
- 2 Market Overview and Stakeholder Insights
 - 2.1 Market Trends
 - 2.2 Key Verticals
 - 2.3 Key Regions
 - 2.4 Supplier Power
 - 2.5 Buyer Power
 - 2.6 Key Market Opportunities and Risks
 - 2.7 Key Initiatives by Stakeholders
- 3 Economic Summary
 - 3.1 GDP Outlook
 - 3.2 GDP Per Capita Growth
 - 3.3 Inflation Trends
 - 3.4 Democracy Index
 - 3.5 Gross Public Debt Ratios
 - 3.6 Balance of Payment (BoP) Position
 - 3.7 Population Outlook
 - 3.8 Urbanisation Trends
- 4 Country Risk Profiles
 - 4.1 Country Risk
 - 4.2 Business Climate
- 5 United States Crop Protection Chemicals Market Analysis
 - 5.1 Key Industry Highlights
 - 5.2 United States Crop Protection Chemicals Historical Market (2018-2024)
 - 5.3 United States Crop Protection Chemicals Market Forecast (2025-2034)
- 6 United States Crop Protection Chemicals Market by Type
 - 6.1 Biopesticides
 - 6.1.1 Historical Trend (2018-2024)
 - 6.1.2 Forecast Trend (2025-2034)
 - 6.2 Herbicides
 - 6.2.1 Historical Trend (2018-2024)
 - 6.2.2 Forecast Trend (2025-2034)
 - 6.3 Fungicides
 - 6.3.1 Historical Trend (2018-2024)
 - 6.3.2 Forecast Trend (2025-2034)
 - 6.4 Insecticides
 - 6.4.1 Historical Trend (2018-2024)
 - 6.4.2 Forecast Trend (2025-2034)
- 7 United States Crop Protection Chemicals Market by Application

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- 7.1 Fruits and Vegetables
 - 7.1.1 Historical Trend (2018-2024)
 - 7.1.2 Forecast Trend (2025-2034)
- 7.2 Cereals and Grains
 - 7.2.1 Historical Trend (2018-2024)
 - 7.2.2 Forecast Trend (2025-2034)
- 7.3 Oilseed and Pulses
 - 7.3.1 Historical Trend (2018-2024)
 - 7.3.2 Forecast Trend (2025-2034)
- 7.4 Others

8 United States Crop Protection Chemicals Market by Region

- 8.1 New England
 - 8.1.1 Historical Trend (2018-2024)
 - 8.1.2 Forecast Trend (2025-2034)
- 8.2 Mideast
 - 8.2.1 Historical Trend (2018-2024)
 - 8.2.2 Forecast Trend (2025-2034)
- 8.3 Great Lakes
 - 8.3.1 Historical Trend (2018-2024)
 - 8.3.2 Forecast Trend (2025-2034)
- 8.4 Plains
 - 8.4.1 Historical Trend (2018-2024)
 - 8.4.2 Forecast Trend (2025-2034)
- 8.5 Southeast
 - 8.5.1 Historical Trend (2018-2024)
 - 8.5.2 Forecast Trend (2025-2034)
- 8.6 Southwest
 - 8.6.1 Historical Trend (2018-2024)
 - 8.6.2 Forecast Trend (2025-2034)
- 8.7 Rocky Mountain
 - 8.7.1 Historical Trend (2018-2024)
 - 8.7.2 Forecast Trend (2025-2034)
- 8.8 Far West
 - 8.8.1 Historical Trend (2018-2024)
 - 8.8.2 Forecast Trend (2025-2034)

9 Market Dynamics

- 9.1 SWOT Analysis
 - 9.1.1 Strengths
 - 9.1.2 Weaknesses
 - 9.1.3 Opportunities
 - 9.1.4 Threats
- 9.2 Porter's Five Forces Analysis
 - 9.2.1 Supplier's Power
 - 9.2.2 Buyer's Power
 - 9.2.3 Threat of New Entrants
 - 9.2.4 Degree of Rivalry
 - 9.2.5 Threat of Substitutes

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- 9.3 Key Indicators for Demand
- 9.4 Key Indicators for Price
- 10 Competitive Landscape
 - 10.1 Supplier Selection
 - 10.2 Key Global Players
 - 10.3 Key Regional Players
 - 10.4 Key Player Strategies
 - 10.5 Company Profiles
 - 10.5.1 Corteva Agriscience
 - 10.5.1.1 Company Overview
 - 10.5.1.2 Product Portfolio
 - 10.5.1.3 Demographic Reach and Achievements
 - 10.5.1.4 Certifications
 - 10.5.2 Bayer AG
 - 10.5.2.1 Company Overview
 - 10.5.2.2 Product Portfolio
 - 10.5.2.3 Demographic Reach and Achievements
 - 10.5.2.4 Certifications
 - 10.5.3 Syngenta
 - 10.5.3.1 Company Overview
 - 10.5.3.2 Product Portfolio
 - 10.5.3.3 Demographic Reach and Achievements
 - 10.5.3.4 Certifications
 - 10.5.4 BASF SE
 - 10.5.4.1 Company Overview
 - 10.5.4.2 Product Portfolio
 - 10.5.4.3 Demographic Reach and Achievements
 - 10.5.4.4 Certifications
 - 10.5.5 FMC Corporation
 - 10.5.5.1 Company Overview
 - 10.5.5.2 Product Portfolio
 - 10.5.5.3 Demographic Reach and Achievements
 - 10.5.5.4 Certifications
 - 10.5.6 Others

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