

# **Crop Protection Chemicals Market - A Global and Regional Analysis: Focus on Application, Product, and Competitive Landscape - Analysis and Forecast, 2024-2034**

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## **Abstracts**

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### **Introduction to Crop Protection Chemicals Market**

The crop protection chemicals market has become a crucial element in modern agriculture, particularly in regions facing challenges like pests, diseases, and weeds that threaten crop yield. These chemicals play a vital role in safeguarding crops and ensuring food security by enhancing productivity and reducing losses. The market is evolving rapidly, driven by innovations in chemical formulations and the increasing demand for sustainable agricultural practices. With a focus on minimizing environmental impact, companies are developing eco-friendly and bio-based crop protection solutions. This positive trend is expected to continue, as the global demand for food rises and farmers seek more effective and sustainable ways to protect their crops.

The Crop Protection Chemicals market is segmented by application, type, source, and crop type. Key applications include foliar spray, seed treatment, soil treatment, and others. The major types of crop protection chemicals encompass herbicides, insecticides, fungicides, and others. The market is further categorized by source, including synthetic and natural products. Crop types covered include cereal and grains, fruits and vegetables, oilseed and pulses, and others. This segmentation highlights the diverse needs within agriculture and emphasizes the market's focus on tailored

solutions to enhance crop yield and sustainability across different farming practices.

The rising global population is driving the demand for crop protection chemicals. As the need to produce more food intensifies, farmers are increasingly relying on these chemicals to protect their crops from pests, diseases, and weeds. This ensures higher yields and food security, making crop protection chemicals essential in meeting the growing food demand. The ongoing pressure to enhance agricultural productivity is expected to further boost the market.

The crop protection chemicals market faces challenges related to the growing concerns over environmental impact and health risks associated with chemical use. Increased regulatory scrutiny and public awareness are pushing for stricter regulations, which can limit the availability and use of certain chemicals. This challenge encourages the development of safer, eco-friendly alternatives, but also poses a hurdle for traditional chemical manufacturers to adapt and innovate in response to these evolving demands.

North America is emerging as a key region in the crop protection chemicals market, driven by the region's advanced agricultural practices and significant investments in sustainable farming technologies. The U.S. has a high demand for crop protection chemicals due to its large-scale agricultural operations and the need to maximize crop yields. Additionally, stringent regulatory frameworks and the increasing adoption of eco-friendly and bio-based chemicals are encouraging innovation and growth in the market. The focus on sustainable agriculture and the region's strong R&D capabilities position North America as a critical player in the global crop protection chemicals market.

Key players such as BASF FE, Bayer AG, Corteva, and FMC Corporation are at the forefront of market expansion, leveraging their technological expertise and strategic partnerships to drive innovation and capture a significant market share. Companies are investing in the development of new products and the expansion of existing ones to meet growing demand. For instance, on May 9, 2023, Corteva Agriscience reinforced its position in the global seed and crop protection market through its innovative R&D and product launches aimed at increasing crop yields and sustainability. The company advanced its corn and soybean offerings, introduced new fungicides like Adavelt active, and developed next-generation insect control and herbicide solutions. These innovations, designed to address evolving agricultural challenges, were set to benefit farmers and contribute to sustainable agriculture through 2035 and beyond.

**Market Segmentation:**

### Segmentation 1: by Application

Foliar Spray

Seed Treatment

Soil Treatment

Others

### Segmentation 2: by Type

Herbicides

Insecticides

Fungicides

Others

### Segmentation 3: by Source

Synthetic

Natural

### Segmentation 4: by Crop Type

Cereal and Grains

Fruits and Vegetables

Oilseed and Pulses

Others

## Segmentation 5: by Region

North America

Europe

Asia-Pacific

Rest-of-the-World

How can this report add value to an organization?

**Product/Innovation Strategy:** This report provides a comprehensive product/innovation strategy for the global crop protection chemicals market, identifying opportunities for market entry, technology adoption, and sustainable growth. It offers actionable insights, helping organizations gain a competitive edge, and capitalize on the increasing demand.

**Growth/Marketing Strategy:** This report offers a comprehensive growth and marketing strategy designed specifically for the crop protection chemicals market. It presents a targeted approach to identifying specialized market segments, establishing a competitive advantage, and implementing creative marketing initiatives aimed at optimizing market share and financial performance. By harnessing these strategic recommendations, organizations can elevate their market presence, seize emerging prospects, and efficiently propel revenue expansion.

**Competitive Strategy:** This report crafts a strong competitive strategy tailored to the crop protection chemicals market. It evaluates market rivals, suggests methods to stand out, and offers guidance for maintaining a competitive edge. By adhering to these strategic directives, companies can position themselves effectively in the face of market competition, ensuring sustained prosperity and profitability.

## Contents

Executive Summary  
Scope and Definition  
Market/Product Definition  
Key Questions Answered  
Analysis and Forecast Note

### **1. MARKETS: INDUSTRY OUTLOOK**

1.1 Trends: Current and Future Impact Assessment  
1.2 Supply Chain Overview  
    1.2.1 Value Chain Analysis  
    1.2.2 Pricing Forecast  
1.3 R&D Review  
    1.3.1 Patent Filing Trend by Country, by Company  
1.4 Regulatory Landscape  
1.5 Stakeholder Analysis  
1.6 Market Dynamics Overview  
    1.6.1 Market Drivers  
    1.6.2 Market Restraints  
    1.6.3 Market Opportunities  
1.7 Startup Funding Summary

### **2. CROP PROTECTION CHEMICALS MARKET BY APPLICATION**

2.1 Application Summary  
2.2 Crop Protection Chemicals Market, by Application, Value, 2024-2034  
    2.2.1 Foliar Spray  
    2.2.2 Seed Treatment  
    2.2.3 Soil Treatment  
    2.2.4 Others

### **3. CROP PROTECTION CHEMICALS MARKET BY PRODUCTS**

3.1 Product Summary  
3.2 Crop Protection Chemicals Market, by Type, Value, 2024-2034  
    3.2.1 Herbicides  
    3.2.2 Insecticides

3.2.3 Fungicides

3.2.4 Others

3.3 Crop Protection Chemicals Market, by Source, Value, 2024-2034

3.3.1 Synthetic

3.3.2 Natural

3.4 Crop Protection Chemicals Market, by Crop Type, Value, 2024-2034

3.4.1 Cereal and Grains

3.4.2 Fruits and Vegetables

3.4.3 Oilseed and Pulses

3.4.4 Others

## **4. CROP PROTECTION CHEMICALS MARKET BY REGION**

4.1 Crop Protection Chemicals Market - by Region

4.2 North America

4.2.1 Regional Overview

4.2.1.1 Driving Factors for Market Growth

4.2.1.2 Factors Challenging the Market

4.2.2 Application

4.2.3 Product

4.2.4 North America (by Country)

4.2.4.1 U.S.

4.2.4.1.1 Market by Application

4.2.4.1.2 Market by Product

4.2.4.2 Canada

4.2.4.2.1 Market by Application

4.2.4.2.2 Market by Product

4.2.4.3 Mexico

4.2.4.3.1 Market by Application

4.2.4.3.2 Market by Product

4.3 Europe

4.3.1 Regional Overview

4.3.1.1 Driving Factors for Market Growth

4.3.1.2 Factors Challenging the Market

4.3.2 Application

4.3.3 Product

4.3.4 Europe (by Country)

4.3.4.1 Germany

4.3.4.1.1 Market by Application

- 4.3.4.1.2 Market by Product
- 4.3.4.2 France
  - 4.3.4.2.1 Market by Application
  - 4.3.4.2.2 Market by Product
- 4.3.4.3 U.K.
  - 4.3.4.3.1 Market by Application
  - 4.3.4.3.2 Market by Product
- 4.3.4.4 Italy
  - 4.3.4.4.1 Market by Application
  - 4.3.4.4.2 Market by Product
- 4.3.4.5 Rest-of-Europe
  - 4.3.4.5.1 Market by Application
  - 4.3.4.5.2 Market by Product
- 4.4 Asia-Pacific
  - 4.4.1 Regional Overview
    - 4.4.1.1 Driving Factors for Market Growth
    - 4.4.1.2 Factors Challenging the Market
  - 4.4.2 Application
  - 4.4.3 Product
  - 4.4.4 Asia-Pacific (by Country)
    - 4.4.4.1 China
      - 4.4.4.1.1 Market by Application
      - 4.4.4.1.2 Market by Product
    - 4.4.4.2 Japan
      - 4.4.4.2.1 Market by Application
      - 4.4.4.2.2 Market by Product
    - 4.4.4.3 Australia
      - 4.4.4.3.1 Market by Application
      - 4.4.4.3.2 Market by Product
    - 4.4.4.4 South Korea
      - 4.4.4.4.1 Market by Application
      - 4.4.4.4.2 Market by Product
    - 4.4.4.5 Rest-of-Asia-Pacific
      - 4.4.4.5.1 Market by Application
      - 4.4.4.5.2 Market by Product
- 4.5 Rest-of-the-World
  - 4.5.1 Regional Overview
    - 4.5.1.1 Driving Factors for Market Growth
    - 4.5.1.2 Factors Challenging the Market

- 4.5.2 Application
- 4.5.3 Product
- 4.5.4 Rest-of-the-World (by Region)
  - 4.5.4.1 South America
    - 4.5.4.1.1 Market by Application
    - 4.5.4.1.2 Market by Product
  - 4.5.4.2 Middle East and Africa
    - 4.5.4.2.1 Market by Application
    - 4.5.4.2.2 Market by Product

## **5. MARKETS- COMPETITIVE BENCHMARKING AND COMPANIES PROFILED**

- 5.1 Next Frontier
- 5.2 Geographical Analysis
- 5.3 Competitive Benchmarking
- 5.4 Company Profiles
  - 5.4.1 BASF SE
    - 5.4.1.1 Overview
    - 5.4.1.2 Top Products / Product Portfolio
    - 5.4.1.3 Top Competitors
    - 5.4.1.4 Target Customers/End-Users
    - 5.4.1.5 Key Personnel
    - 5.4.1.6 Analyst View
    - 5.4.1.7 Market Share
  - 5.4.2 Bayer AG
    - 5.4.2.1 Overview
    - 5.4.2.2 Top Products / Product Portfolio
    - 5.4.2.3 Top Competitors
    - 5.4.2.4 Target Customers/End-Users
    - 5.4.2.5 Key Personnel
    - 5.4.2.6 Analyst View
    - 5.4.2.7 Market Share
  - 5.4.3 FMC Corporation
    - 5.4.3.1 Overview
    - 5.4.3.2 Top Products / Product Portfolio
    - 5.4.3.3 Top Competitors
    - 5.4.3.4 Target Customers/End-Users
    - 5.4.3.5 Key Personnel
    - 5.4.3.6 Analyst View



- 5.4.3.7 Market Share
- 5.4.4 Syngenta Group
  - 5.4.4.1 Overview
  - 5.4.4.2 Top Products / Product Portfolio
  - 5.4.4.3 Top Competitors
  - 5.4.4.4 Target Customers/End-Users
  - 5.4.4.5 Key Personnel
  - 5.4.4.6 Analyst View
  - 5.4.4.7 Market Share
- 5.4.5 Corteva
  - 5.4.5.1 Overview
  - 5.4.5.2 Top Products / Product Portfolio
  - 5.4.5.3 Top Competitors
  - 5.4.5.4 Target Customers/End-Users
  - 5.4.5.5 Key Personnel
  - 5.4.5.6 Analyst View
  - 5.4.5.7 Market Share
- 5.4.6 UPL
  - 5.4.6.1 Overview
  - 5.4.6.2 Top Products / Product Portfolio
  - 5.4.6.3 Top Competitors
  - 5.4.6.4 Target Customers/End-Users
  - 5.4.6.5 Key Personnel
  - 5.4.6.6 Analyst View
  - 5.4.6.7 Market Share
- 5.4.7 Nufarm
  - 5.4.7.1 Overview
  - 5.4.7.2 Top Products / Product Portfolio
  - 5.4.7.3 Top Competitors
  - 5.4.7.4 Target Customers/End-Users
  - 5.4.7.5 Key Personnel
  - 5.4.7.6 Analyst View
  - 5.4.7.7 Market Share
- 5.4.8 Sumitomo Chemical Co., Ltd
  - 5.4.8.1 Overview
  - 5.4.8.2 Top Products / Product Portfolio
  - 5.4.8.3 Top Competitors
  - 5.4.8.4 Target Customers/End-Users
  - 5.4.8.5 Key Personnel

- 5.4.8.6 Analyst View
- 5.4.8.7 Market Share
- 5.4.9 Albaugh LLC
  - 5.4.9.1 Overview
  - 5.4.9.2 Top Products / Product Portfolio
  - 5.4.9.3 Top Competitors
  - 5.4.9.4 Target Customers/End-Users
  - 5.4.9.5 Key Personnel
  - 5.4.9.6 Analyst View
  - 5.4.9.7 Market Share
- 5.4.10 Koppert
  - 5.4.10.1 Overview
  - 5.4.10.2 Top Products / Product Portfolio
  - 5.4.10.3 Top Competitors
  - 5.4.10.4 Target Customers/End-Users
  - 5.4.10.5 Key Personnel
  - 5.4.10.6 Analyst View
  - 5.4.10.7 Market Share
- 5.4.11 Gowan Company
  - 5.4.11.1 Overview
  - 5.4.11.2 Top Products / Product Portfolio
  - 5.4.11.3 Top Competitors
  - 5.4.11.4 Target Customers/End-Users
  - 5.4.11.5 Key Personnel
  - 5.4.11.6 Analyst View
  - 5.4.11.7 Market Share
- 5.4.12 American Vanguard Corporation
  - 5.4.12.1 Overview
  - 5.4.12.2 Top Products / Product Portfolio
  - 5.4.12.3 Top Competitors
  - 5.4.12.4 Target Customers/End-Users
  - 5.4.12.5 Key Personnel
  - 5.4.12.6 Analyst View
  - 5.4.12.7 Market Share
- 5.4.13 Kumiai Chemical Industry Co., Ltd
  - 5.4.13.1 Overview
  - 5.4.13.2 Top Products / Product Portfolio
  - 5.4.13.3 Top Competitors
  - 5.4.13.4 Target Customers/End-Users

- 5.4.13.5 Key Personnel
- 5.4.13.6 Analyst View
- 5.4.13.7 Market Share
- 5.4.14 PI Industries
  - 5.4.14.1 Overview
  - 5.4.14.2 Top Products / Product Portfolio
  - 5.4.14.3 Top Competitors
  - 5.4.14.4 Target Customers/End-Users
  - 5.4.14.5 Key Personnel
  - 5.4.14.6 Analyst View
  - 5.4.14.7 Market Share
- 5.4.15 Chr. Hansen A/S
  - 5.4.15.1 Overview
  - 5.4.15.2 Top Products / Product Portfolio
  - 5.4.15.3 Top Competitors
  - 5.4.15.4 Target Customers/End-Users
  - 5.4.15.5 Key Personnel
  - 5.4.15.6 Analyst View
  - 5.4.15.7 Market Share
- 5.4.16 Other Key Companies

## **6. RESEARCH METHODOLOGY**

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