North America Crop Protection Chemicals Market Outlook - Forecast Trends, Market Size, Share and Growth Analysis Report (2025-2034)

Market Report | 2025-06-28 | 177 pages | EMR Inc.

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Report description:

The North America crop protection chemicals market reached around USD 12.95 Billion in 2024. The market is projected to grow at a CAGR of 3.00% between 2025 and 2034 to reach nearly USD 17.40 Billion by 2034.

North America Crop Protection Chemicals Market Growth

Surveys conducted by the U.S. Environmental Protection Agency (EPA) indicate that over 75% of households in the United States utilise pesticides, with 66% applying them to significant living areas within their homes at least once annually. In Canada, data from 2021 reveals that 72.3% of pesticide sales were attributed to the agricultural sector. Within this sector, herbicides represented 78.4% of pesticide sales, followed by fungicides at 13.0%, insecticides at 5.0%, and other products at 5.1%. The rising application of crop protection chemicals is primarily motivated by the necessity to boost agricultural productivity and protect crops from pests, diseases, and weeds. As the global demand for food escalates and farming practices intensify, these chemicals are essential for achieving high yields and maintaining quality.

The annual area dedicated to crop production in the United States spans 97 million hectares. The primary crops cultivated include maize, soybean, wheat, and rice, which collectively represent 87% of the total crop area. The United States stands as one of the foremost producers and exporters of these commodities. In 2022, California emerged as the leading state in agricultural production, generating sales amounting to $59 billion, which constitutes 11% of the national total. As agricultural output rises to satisfy the escalating global food requirements, these chemicals play a crucial role in sustaining high yields and quality, ensuring that crops are adequately safeguarded throughout their growth stages.

Key Trends and Developments

Rising crop production in the region, growing adoption of advanced chemical formulations, supportive government initiatives; and robust economic activities in the region are the major trends impacting the North America crop protection chemicals market expansion

May 2021

The Canadian government unveiled a three-year strategy aimed at eliminating the use of the hazardous pesticide chlorpyrifos, which poses health risks such as neurodevelopmental disorders, attention deficit hyperactivity disorder (ADHD), and dizziness, among others.

January 2022

Health Canada established a new Science Advisory Committee focused on pest control products. The Committee's role is to offer scientific guidance regarding decisions made by the Pest Management Regulatory Agency (PMRA) concerning pesticides.

March 2023

Bayer CropScience, a German biotechnology company, introduced its premium pre-mixed fungicide, Luna Pro SC (comprising prothioconazole and fluopyram), in the United States, designed to effectively manage foliar and soil-borne diseases in potato crops.

November 2023

Syngenta Canada Inc. officially introduced Cruiser Maxx Vibrance Potato, a seed treatment that combines fungicide and insecticide properties (fludioxonil + thiamethoxam + difenoconazole + sedaxane) to effectively address a wide range of pests that can hinder crop yields.

Growing crop production in the region

The necessity to enhance agricultural production to satisfy global food requirements propels the demand for efficient crop protection chemicals. These substances play a crucial role in controlling pests, diseases, and weeds, thereby guaranteeing improved yields and quality.

Adoption of advanced technologies

Advances in chemical formulations and application technologies significantly improve the efficacy and efficiency of crop protection products, rendering them more appealing to farmers in search of enhanced pest management strategies.

Supportive regulatory frameworks

Regulatory frameworks and approval processes that are supportive play a crucial role in the advancement and application of novel crop protection chemicals, guaranteeing compliance with safety standards while effectively addressing the requirements of pest management.

Economic expansion in the region

Increasing agricultural revenues and investments in technology allow farmers to allocate resources towards sophisticated crop protection chemicals, thereby improving their capacity to effectively control pests and diseases.

North America Crop Protection Chemicals Market Trends

The increasing necessity to enhance agricultural productivity in response to growing food demands drives the requirement for crop protection chemicals. These substances are vital for safeguarding crops against pests and diseases, thereby ensuring improved yields and quality in competitive markets. Furthermore, innovations in crop protection chemicals, such as more efficient formulations and precision application technologies, contribute significantly to the market expansion. These developments enhance the effectiveness of pest control while minimising environmental impact, rendering them indispensable for contemporary agricultural practices.

North America Crop Protection Chemicals Industry Segmentation

North America Crop Protection Chemicals Market Report and Forecast 2025-2034 offers a detailed analysis of the market based on the following segments:

Market Breakup by Type

- Fungicide
- Herbicide
- Insecticide
- Others

Market Breakup by Application Mode

- Foliar Spray
- Seed Treatment
- Soil Treatment
- Others

Market Breakup by Crop Type

- Fruits and Vegetables
- Grains and Cereals
- Pulses and Oilseeds
- Others

Market Breakup by Country

- United States of America
- Canada

North America Crop Protection Chemicals Market Share

Based on the country, the market is segmented into the United States of America and Canada. Canada is projected to grow at a CAGR of 3.4% during the forecast period of 2025-2034 due to the thriving agricultural sector in the country.

Leading Companies in the North America Crop Protection Chemicals Market

Major players are focusing on the production of organic and sustainable crop-protecting chemicals to gain a competitive edge in the market.

FMC Corp.

FMC Corporation, based in Philadelphia, Pennsylvania, is an American chemical manufacturing firm that began its operations in 1883 as a producer of insecticides and subsequently expanded into various other sectors.

Nufarm Ltd.

Nufarm, an agricultural chemical enterprise based in Melbourne, Australia, was founded in mid-1950s. The company boasts over 2,100 registered products and distributes its offerings across more than 100 countries globally.

Syngenta Crop Protection AG

Syngenta Crop Protection AG, established in 2000 and based in Basel, Switzerland, is a global leader in crop protection. The company offers farmers innovative and sustainable solutions to ensure the health of their plants from the time of sowing through to harvesting.

Bayer AG

Bayer AG, established in 1863, is a German multinational corporation specialising in pharmaceuticals and biotechnology, and it ranks among the largest pharmaceutical and biomedical firms globally.

Other key market players include BASF SE, ADAMA Ltd., Corteva Agriscience, UPL Ltd., Wynca Group, and Sumitomo Chemical Co. Ltd., among others.

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