

North America Herbicide Market Size and Share Outlook - Forecast Trends and Growth Analysis Report (2025-2034)

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Report description:

The North America herbicide market size reached around USD 5.67 Billion in 2024. The market is projected to grow at a CAGR of 3.50% between 2025 and 2034 to reach nearly USD 8.00 Billion by 2034.

North America Herbicide Market Growth

In Canada, herbicides represented a 77% share of agricultural pesticide sales in 2019. According to data from the Food and Agriculture Organisation (FAO) of the United Nations and subsequent information from Health Canada, herbicide sales in the country surged by 244% from 1994 to 2021. The rising application of herbicides in Canada is attributed to the increasing demand for effective weed management in agriculture, as farmers strive to enhance crop yields to satisfy the growing food requirements. Herbicides also play a crucial role in managing invasive weeds that compete for essential resources such as nutrients, water, and sunlight. Furthermore, the rise in the use of herbicide-resistant crops and the implementation of conservation farming techniques, including no-till practices, are contributing to the increased reliance on herbicides.

Additionally, as per the North America herbicide market analysis, agriculture accounted for over USD 1.53 trillion of the U.S. gross domestic product (GDP) in 2023. The food service sector represents the largest portion of employment in this field, with 12.7 million jobs. Moreover, it is estimated that agriculture contributes approximately USD 7 trillion to the U.S. economy. Thus, the expansion of agricultural activities is leading to an increase in herbicide usage, as larger cultivated areas necessitate effective weed management to enhance productivity.

Key Trends and Developments

The growing necessity for enhanced crop production, the effects of climate change on weed growth, and innovations in herbicide-resistant crops are key trends favouring the North America herbicide market growth

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March 2024

Corteva Agriscience enhanced its prominent cereal herbicide portfolio in Canada by introducing Extinguish XL herbicide, a novel solution designed to address broadleaf weed challenges faced by wheat and barley farmers in the black and grey soil regions of Western Canada.

Nov 2023

Nufarm introduced an innovative herbicide technology designed to assist farmers in combating difficult weeds in cereal crops. This solution help farmers to manage resilient weeds, such as resistant kochia, effectively.

Oct 2023

Syngenta Canada introduced Talinor herbicide for use in western Canadian cereal crops, which led to North America herbicide market development. This post-emergent herbicide features a unique active ingredient designed to effectively control challenging broadleaf weeds, including those that have developed resistance to herbicides.

Growing Necessity for Enhanced Crop Production

As the global population expands and food requirements increase, farmers are prioritising the optimisation of crop production, leading to a favourable North America herbicide market outlook. The application of herbicides is crucial in managing weed proliferation, which competes with crops for essential resources such as nutrients, water, and sunlight, thus improving overall agricultural productivity and efficiency.

Rise of Sustainable Agricultural Practices

Sustainable farming methods, particularly no-till agriculture, are becoming increasingly favoured for their benefits to soil health and erosion prevention. These practices necessitate effective weed control, leading to a higher reliance on herbicides to manage weeds while preserving soil integrity by avoiding conventional tillage.

Innovations in Herbicide-Resistant Crops

The introduction of genetically engineered crops that are resistant to herbicides enables farmers to apply specific herbicides without harming the crops. According to North America herbicide market analysis, this advancement encourages the use of herbicides, facilitating effective weed management and reducing the reliance on multiple weed control strategies.

Effects of Climate Change on Weed Growth

Shifts in climate, characterised by rising temperatures and erratic weather patterns, create optimal conditions for weed proliferation. The use of herbicides becomes vital in controlling these resilient weeds, which can adapt to diverse climatic conditions and proliferate rapidly, potentially harming crop yields.

North America Herbicide Market Trends

As awareness of environmental issues increases, there is a growing demand for bio-based herbicides that reduce chemical residues and have a diminished impact on the environment. These products meet the requirements of both organic and

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conventional farmers who are committed to sustainable agricultural practices, thereby decreasing reliance on synthetic chemicals and adhering to regulatory demands for safer crop protection methods. In addition, advanced technologies such as drones, GPS, and sensors are improving the application of herbicides by enabling farmers to target specific areas, which minimises waste and optimises usage., consequently driving the North America herbicide market expansion.

Another trend in the market is rising adoption of precision agriculture. Precision agriculture not only lowers costs but also enhances the effectiveness of herbicides while mitigating their environmental footprint, making it an appealing choice for larger agricultural enterprises. Additionally, introduction of herbicide-resistant crops, created through genetic modification, enable farmers to use herbicides that specifically target weeds without damaging the crops. This approach is especially common in crops such as soybeans, corn, and cotton, as it facilitates more efficient and streamlined weed management, ultimately helping farmers boost crop yields and maintain cost-effective operations.

North America Herbicide Industry Segmentation

The EMR's report titled "North America Herbicide Market Report and Forecast 2025-2034" offers a detailed analysis of the market based on the following segments:

Breakup by Application Mode

- Foliar Spray
- Seed Treatment
- Soil Treatment
- Others

Breakup by Crop Type

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

Breakup by Country

- United States of America
- Canada

North America Herbicide Market Share

Based on crop type, the market is segmented into fruits and vegetables, grains and cereals, pulses and oilseeds, and others. Over the forecast period, fruits and vegetables are expected to grow at a CAGR of 4.3%. The application of herbicides in the cultivation of fruits and vegetables is increasing to manage invasive weeds that jeopardise both the quality and yield of crops. These chemical agents facilitate effective weed control, allowing farmers to cultivate healthier and more plentiful produce.

Leading Companies in the North America Herbicide Market

Major players are focusing on the production of sustainable and environmentally friendly herbicides to gain a larger North America herbicide market share.

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BASF SE

- BASF SE was founded in 1865 and is based in Ludwigshafen, Germany. It is a leading chemical enterprise that delivers agricultural solutions, including herbicides, fungicides, and insecticides.

ADAMA Ltd.

ADAMA was founded in 1945 and is in Ashdod, Israel. The company is a key player in the North America herbicide market as it serves as a worldwide supplier of crop protection solutions, such as herbicides and fungicides that enable farmers to manage crop health.

Bayer AG

Bayer AG was established in 1863 and is headquartered in Leverkusen, Germany. The company focuses on crop protection products, including herbicides, fungicides, and seeds, aimed at promoting sustainable farming practices and ensuring food security.

Corteva Agriscience

Corteva Agriscience was founded in 2019 and is situated in Delaware, United States. It is an agricultural firm that concentrates on seed technologies, crop protection, and digital agriculture. It also offers herbicides and fungicides to improve crop productivity.

Other players included in the North America herbicide market report are Nufarm Ltd., Syngenta Crop Protection AG, UPL Ltd., American Vanguard Corporation, FMC Corporation, and Sumitomo Chemical Co. Ltd., among others.

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