

Seed Treatment Market by Type (Chemical, Biological), Formulation (Liquid, Dry), Application Technique (Seed Coating, Seed Dressing), Crop Type (Cereals & Grains, Oilseeds), Function (Seed Protection, Seed Enhancement)—Global Forecast to 2029

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Abstracts

Seed Treatment Market by Type (Chemical, Biological), Formulation (Liquid, Dry), Application Technique (Seed Coating, Seed Dressing), Crop Type (Cereals & Grains, Oilseeds), Function (Seed Protection, Seed Enhancement)—Global Forecast to 2029

The research report titled, 'Seed Treatment Market by Type (Chemical, Biological), Formulation (Liquid, Dry), Application Technique (Seed Coating, Seed Dressing), Crop Type (Cereals & Grains, Oilseeds), Function (Seed Protection, Seed Enhancement) - Global Forecast to 2029,' provides an in-depth analysis of the seed treatment market across seven major geographies and emphasizes on the current market trends, market sizes, market shares, recent developments, and forecast till 2029.

The Seed Treatment Market is expected to reach \$11.68 billion by 2029, at a CAGR of 9.9% during the forecast period of 2022 to 2029. This growth of this market is driven by the rising need for low-cost crop protection solutions, the growing need to increase crop yield and quality, the increasing need to maintain the minimum residue limit in food products, advancements in seed treatment equipment, the rising costs of high-quality seeds such as hybrid and GM seeds, benefits offered by seed treatment, and the rapidly decreasing agricultural land. Furthermore, the increasing focus on integrated pest management, the growing adoption of biological seed treatment, and the emergence of biodegradable seed coatings are expected to provide significant

opportunities for the growth of this market.

The study offers a comprehensive analysis of the seed treatment market based on type, formulation, application technique, crop type, function, and geography.

The seed treatment market is segmented based on type (chemical [insecticides, fungicides, and other chemical seed treatment] and biological [microbial {biofertilizers, biopesticides, and biostimulants}, biochemical, and other biological seed treatment]), formulation (liquid formulation and dry formulation), application techniques (seed coating, seed dressing, and seed pelleting), crop type (cereals and grains [corn, wheat, and other cereals & grains], oilseeds [soybean, cotton, and canola], and other crops), function (seed protection and seed enhancement), and geography. The study also evaluates industry competitors and analyzes the market at the country level.

Based on type, the seed treatment market is segmented into chemical seed treatment and biological seed treatment. In 2022, the chemical seed treatment segment is expected to account for the larger share of the seed treatment market. However, the biological seed treatment segment is expected to witness significant growth during the forecast period. The growth of this segment is driven by growing environmental and public health concerns regarding the use of chemical seed treatment, the increasing adoption of organic farming, the high demand for chemical residue-free agricultural products, and the initiatives by governments worldwide to promote the use of biological seed treatment.

Based on application technique, the seed treatment market is segmented into seed coating, seed dressing, and seed pelleting. In 2022, the seed coating segment is expected to account for the largest share of the seed treatment market. The large market share of this segment is attributed to the increasing need to protect seeds from external factors, such as fungi, parasites, pathogens, and extreme temperatures.

Based on crop type, the seed treatment market is segmented into cereals & grains, oilseeds, and other crops. In 2022, the cereals & grains segment is expected to account for the largest share of the seed treatment market. The large market share of this segment is attributed to the growing need to increase cereal & grain production, minimize cereal & grain loss due to pests and diseases, and their increasing use in animal feed, biofuel, and starch & ethanol production.

Based on function, the seed treatment market is segmented into seed protection and seed enhancement. In 2022, the seed protection segment is expected to account for the

larger share of the seed treatment market. Seed protection treatments are non-injurious to seed under prolonged storage, offer high effectiveness against all diseases, and are compatible with inoculants. These benefits contribute to the large market share of this segment. However, the seed enhancement segment is expected to witness significant growth during the forecast period.

Based on geography, in 2022, North America is expected to account for the largest share of the seed treatment market. The major market share of North America is attributed to the growing demand for high-yielding and disease-tolerant crops from domestic markets and export destinations. Moreover, factors such as an organized distribution chain for crop protection chemicals, the availability of water and land, entrepreneurial farmers, the growing awareness about sustainable crop production techniques to lessen environmental impact, and the presence of a large number of stakeholders support the growth of this market in the region.

Some of the key players operating in the seed treatment market include Bayer AG (Germany), Syngenta AG (Switzerland) (a part of China National Chemical Corporation/ChemChina), BASF SE (Germany), Corteva Inc. (U.S.), UPL Limited (India), Nufarm Limited (Australia), FMC Corporation (U.S.), Tagros Chemicals India Ltd. (India), Germains Seed Technology (U.K.) (Part of Associated British Foods Plc), Verdesian Life Sciences, LLC (U.S.), Novozymes A/S (Denmark), Valent BioSciences LLC (U.S.), Croda International Plc (U.K.), and Precision Laboratories, LLC (U.S.).

Key Questions Answered in the Report-

Which are the high-growth market segments in terms of type, formulation, application technique, crop type, function, and geography?

What is the historical market size for the seed treatment market?

What are the market forecasts and estimates for the period 2022–2029?

What are the major drivers, restraints, opportunities, and challenges in the seed treatment market?

Who are the major players in the market, and what share of the market do they hold?

Who are the major players in various countries, and what market share do they

hold?

How is the competitive landscape for the seed treatment market?

What are the recent developments in the seed treatment market?

What are the different strategies adopted by the major players in the market?

What are the key geographic trends, and which are the high-growth countries?

Who are the local emerging players in the seed treatment market, and how do they compete with other players?

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