

Technology Landscape, Trends and Opportunities in the Global Seed Treatment Market

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Abstracts

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The technologies in seed treatment have undergone significant changes in recent years, with fungicide treatment *and* biological seed treatment. The rising wave of new technologies, such as seed pelleting are creating significant potential for seed treatment in various agrochemical platforms due *to* the enhancement in seed germination, protection of germinating seeds and seedlings against soil and seed-borne pathogens/insects.

In the seed treatment market, various technologies, such as seed coating, seed dressing, and seed pelleting technologies are used in the insecticides, fungicide, and bio-control applications. Increased demand in the agriculture sector and rising R&D initiatives *to* improve yield are creating new opportunities for various seed treatment technologies.

Germany: BASF, a major agricultural chemicals company, launched a new seed coating technology using a proprietary polymer film for controlled release of nutrients and fungicides, improving seed germination and seedling establishment.

India: The Indian government, in collaboration with agricultural research institutions, is promoting the adoption of seed dressing techniques with micronutrients *to* address widespread soil deficiencies and improve crop yields, particularly for small-scale farmers.

Brazil: Local seed companies are investing in research and development

of seed pelleting techniques incorporating biological pest control agents, aiming for a more sustainable and environmentally friendly approach to seed treatment.

This report analyzes technology maturity, degree of disruption, competitive intensity, market potential, and other parameters of various technologies in the seed treatment market. Some insights are depicted below by a sample figure. For more details on figures, the companies researched, and other objectives/benefits on this research report, please download the report brochure.

The study includes technology readiness, competitive intensity, regulatory compliance, disruption potential, trends, forecasts and strategic implications for the global seed treatment technology by application, technology, and region as follows:

Technology Readiness by Material Technology

Competitive Intensity and Regulatory Compliance

Disruption Potential by Material Technology

Trends and Forecasts by Technology Type [\$M shipment analysis from 2018 to 2030]:

Seed Coating

Seed Dressing

Seed Pelleting

Trends and Forecasts by Application [\$M shipment analysis from 2018 to 2030]:

Insecticides

Seed Coating

Seed Dressing

Seed Pelleting

Fungicide

Seed Coating

Seed Dressing

Seed Pelleting

Bio-Control

Seed Coating

Seed Dressing

Seed Pelleting

Others

Seed Coating

Seed Dressing

Seed Pelleting

Trends and Forecast by Region [\$M shipment analysis for 2018 – 2030]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

Japan

China

South Korea

India

The Rest of the World

Latest Developments and Innovations in the Seed Treatment Technologies

Companies / Ecosystems

Strategic Opportunities by Technology Type

Some of the seed treatment companies profiled in this report includes Bayer AG, Syngenta, BASF, FMC Corporation, Nufarm Limited, Eastman Chemical, Corda International, Novozymes A/S, Corteva Agriscience,.

Bayer Crop Science has unveiled a breakthrough seed coating technology called 'NanoShield Plus,' which utilizes nanotechnology to deliver enhanced protection against soil-borne pathogens while promoting seedling vigor and early root development.

Syngenta has announced the launch of 'BioGuard Dress,' a novel seed dressing formulation enriched with beneficial microbes sourced from natural environments. BioGuard Dress aims to bolster plant health and resilience by fostering a symbiotic relationship between the seed and soil microbiome.

BASF has introduced 'NutriCoat PelletPro,' a cutting-edge seed pelleting technology infused with a balanced blend of micronutrients and beneficial soil microbes. NutriCoat PelletPro aims to optimize seedling vigor and nutrient uptake, contributing to improved crop performance and yield potential.

The Lucintel study finds that the total market size of the seed treatment market is anticipated to be \$10 billion in 2030 and is forecast to grow at 8% during next five years. Seed coating technology is the largest segment of the seed treatment market and is growing at an above-average rate. Increasing demand for protection from pests and diseases, enhancement of seed performance, as well as increased awareness on the commercial use of seeds, and the rapid growth of agriculture and its allied sectors are driving the demand for seed coating technology.

FAQ

This report answers following 9 key questions:

Q.1 What are some of the most promising and high-growth technology opportunities for the seed treatment market?

Q.2 Which technology will grow at a faster pace and why?

Q.3 What are the key factors affecting dynamics of different technologies? What are the drivers and challenges of these technologies in seed treatment market?

Q.4 What are the levels of technology readiness, competitive intensity and regulatory compliance in this technology space?

Q.5 What are the business risks and threats to these technologies in seed treatment market?

Q.6 What are the latest developments in seed treatment technologies? Which companies are leading these developments?

Q.7 Which technologies have potential of disruption in this market?

Q.8 Who are the major players in this seed treatment market? What strategic initiatives are being implemented by key players for business growth?

Q.9 What are strategic growth opportunities in this seed treatment technology space?

For any questions related to seed treatment market or related seed treatment market share, seed treatment market analysis, and seed treatment market size, write to Lucintel analysts at helpdesk@lucintel.com. We will be glad to get back to you soon.

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