

Botanical Pesticides Market to Reach \$1.1B by 2031, Driven by Organic Farming & Eco-Friendly Trends | DataM Intelligence

The botanical pesticides market is growing fast, driven by organic farming, innovation, and regulations. Discover key trends, regions, and latest news.

AUSTIN, TX, UNITED STATES, July 16, 2025 /EINPresswire.com/ -- The [Botanical Pesticides Market](#) reached US\$ 569.7 million in 2022 and is expected to grow significantly, reaching US\$ 1,127.0 million by 2031, at a CAGR of 8.9% during the forecast period 2024–2031. This strong market expansion is largely driven by the increasing demand for organic farming solutions, growing public concern over synthetic pesticide residues, and regulatory pressure to reduce chemical use in agriculture.



To Download Sample Report: <https://www.datamintelligence.com/download-sample/botanical-pesticides-market>

“

Botanical Pesticides Market to grow from US\$ 569.7M in 2022 to US\$ 1,127.0M by 2031 at 8.9% CAGR, driven by demand for organic farming, green innovation, and regulatory shifts worldwide.”

DataM Intelligence

Market Dynamics

Growing Environmental Awareness

The global agricultural community is experiencing a significant transformation. Farmers, producers, and even consumers are moving toward cleaner and more sustainable farming solutions. Botanical pesticides derived from natural plant extracts offer an eco-friendly alternative to conventional synthetic pesticides, aligning with the

global push toward organic and regenerative agriculture.

These natural alternatives decompose quickly, pose minimal risk to human and animal health, and are generally safer for beneficial insects like bees and butterflies. As environmental and health concerns become more pronounced, especially in the context of climate change and biodiversity loss, botanical pesticides are gaining recognition as a responsible and effective crop protection method.

Regulatory Shift Toward Sustainability

Government bodies and regulatory agencies across the globe are tightening restrictions on the use of chemical pesticides due to their adverse effects on health and the environment. This has opened the door for botanical pesticide manufacturers to gain approvals more swiftly than in previous years. Many countries are offering incentives, subsidies, and fast-track approval processes to promote organic inputs, giving this market further traction.

Innovation and Technology Integration

Innovation in formulation techniques and delivery systems is another driver of growth. Microencapsulation, nano-emulsions, and slow-release technologies are improving the shelf life, stability, and field efficacy of botanical pesticides. In addition, precision agriculture tools such as drones and smart sprayers are being used to optimize the application of these products, reducing waste and increasing productivity.

Looking For A Detailed Full Report? Get it here: <https://www.datamintelligence.com/buy-now-page?report=botanical-pesticides-market>

Key Companies

BioWorks, Inc
Sumitomo Chemical India Ltd.
Arysta LifeScience Corporation
Koppert
BASF SE
Certis USA L.L.C.
Volkschem Crop Science Pvt. Ltd.
Gowan Company, L.L.C.
Rallis India Limited.
T.Stanes and Company Limited

Market Segmentation

By Type: Herbicides, Insecticides, Fungicides, Others.

By Active substance: Nicotine, Pyrethrin, Rotenone, Matrine, Azadirachtin, Others.

By Crop Type: Vegetables and fruits, Oilseeds and pulses, Turfs and ornamentals, Others.

By Source: Pyrethrum, Rotenone, Limonene and Linalool, Neem, Sabadilla, Nicotine, Karanj, Mahua, Sweet flag, Others.

By Form: Powder, Spray, Liquid.

By Distribution Channel: Hypermarkets/Supermarkets, Specialty Stores, Others.

By Mode of Application: Foliar Spray, Soil Treatment, Trunk Injection.

By Application: Agriculture, Viticulture, Horticulture, Others.

By Region: North America, Europe, South America, Asia Pacific, Middle East, and Africa.

Investment Trends

Investors are showing rising interest in sustainable agritech. Venture capital and private equity firms are pouring funds into botanical pesticide startups that offer AI-powered crop solutions or have patented delivery technologies. Strategic partnerships between agrochemical firms and university research labs are also on the rise, accelerating product development cycles and regulatory approval pathways.

Latest News – USA

In the U.S., rising concerns about the impact of synthetic pesticides on bee populations and pollinator health are triggering a reevaluation of pest control strategies. A recent study on honeybee colony collapse linked the issue to resistant pests and chemical overuse, which has intensified public and regulatory interest in safer alternatives like botanical insecticides.

In some communities, residents have opposed the use of synthetic herbicides in public parks and school grounds, leading local governments to test botanical-based options. Moreover, several states are expanding financial aid and training programs to help small farmers transition toward organic and botanical-based farming inputs.

Latest News – Japan

Japan continues to be a fertile market for biopesticides, including botanical formulations. In recent months, the country's agricultural cooperatives have announced pilot programs focusing on the use of natural pest control agents in rice and fruit orchards.

Japan's government has also revised its agricultural subsidy framework to include financial incentives for botanical pesticide use, especially in certified organic farms. This move is expected to accelerate adoption in the coming years. Additionally, universities and research institutions in Japan are increasingly partnering with biotech startups to explore traditional Japanese plant extracts with pesticidal properties.

Regional Outlook

North America

North America leads the market due to higher consumer awareness, regulatory backing for organic farming, and significant investment in sustainable agricultural technologies. The U.S., in particular, has a large share of organic farms and a strong base of biotech companies engaged in the development of plant-based crop protection products.

Europe

Europe continues to see accelerated demand, driven by strict pesticide regulations and a continent-wide organic food movement. Countries such as Germany, France, and the Netherlands are investing heavily in biocontrol strategies.

Asia-Pacific

The Asia-Pacific region is an emerging powerhouse in this market, with China, India, and Japan showing rapid growth. The increasing population and food security concerns are pushing these countries toward safer and more sustainable agricultural inputs.

Latin America and Middle East & Africa

These regions are gradually adopting botanical pesticides, especially in the high-value export crop segments such as coffee, cacao, and fresh produce.

Conclusion

The botanical pesticides market is positioned for substantial and sustainable growth. As the world leans toward cleaner, greener agricultural practices, these natural solutions offer a timely and effective alternative to chemical pesticides. With rising investment, strong innovation, supportive regulation, and growing global demand for organic produce, the future of botanical pesticides looks promising. From North America to Asia, stakeholders across the value chain are recognizing the economic and environmental value of plant-powered pest control.

Unlock 360° Market Intelligence with DataM Subscription Services:

<https://www.datamintelligence.com/reports-subscription>

Power your decisions with real-time competitor tracking, strategic forecasts, and global investment insights all in one place.

- Competitive Landscape
- Sustainability Impact Analysis
- KOL / Stakeholder Insights
- Unmet Needs & Positioning, Pricing & Market Access Snapshots
- Market Volatility & Emerging Risks Analysis
- Quarterly Industry Report Updated
- Live Market & Pricing Trends
- Import-Export Data Monitoring

Have a look at our Subscription Dashboard: <https://www.youtube.com/watch?v=x5oEiqEqTWg>

Related Reports:

[Biopesticides Market](#)

[Biorational Pesticides Market](#)

Sai Kiran

DataM Intelligence 4Market Research

+1 877-441-4866

[email us here](#)

Visit us on social media:

[LinkedIn](#)

[X](#)

This press release can be viewed online at: <https://www.einpresswire.com/article/831103776>

EIN Presswire's priority is source transparency. We do not allow opaque clients, and our editors try to be careful about weeding out false and misleading content. As a user, if you see something we have missed, please do bring it to our attention. Your help is welcome. EIN Presswire, Everyone's Internet News Presswire™, tries to define some of the boundaries that are reasonable in today's world. Please see our Editorial Guidelines for more information.

© 1995-2025 Newsmatics Inc. All Right Reserved.