

Acaricides Market Forecasts to 2032 – Global Analysis By Type (Organophosphorus Compounds, Organochlorine Acaricides, Carbamates, Synthetic Pyrethroids, Natural/Bio-based Acaricides and Other Types), Formulation (Liquid Formulations and Powder Formulations), Application and By Geography

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Abstracts

According to Statistics MRC, the Global Acaricides Market is accounted for \$352.1 million in 2025 and is expected to reach \$522.5 million by 2032 growing at a CAGR of 5.8% during the forecast period . Acaricides are chemical or biological agents designed to control mites and ticks that negatively impact agriculture, livestock, and human health. They are widely applied in crop protection, veterinary medicine, and public health management. Market growth is influenced by rising crop losses due to mite infestations, increasing livestock health concerns, and the demand for integrated pest management solutions. Innovations in bio-based and eco-friendly acaricides are gaining traction as regulatory pressures and sustainability goals push industries toward safer, environmentally responsible pest control methods.

Market Dynamics:

Driver:

Rising crop losses due to mite infestations

Rising crop losses due to mite infestations serve as a primary driver of the acaricides market. Agricultural yields are being increasingly compromised by pest outbreaks, particularly in regions with intensive farming practices. Moreover, the growing economic

burden on farmers is pushing the adoption of acaricides to safeguard productivity and minimize financial risk. Additionally, heightened awareness regarding food security has prompted stakeholders to invest in advanced solutions for pest control. This trend significantly underpins the demand for acaricides globally.

Restraint:

High cost of developing bio-based alternatives

Research and development of eco-friendly formulations require substantial investments in biotechnology, testing, and regulatory compliance, making them less accessible to small and medium-sized producers. Additionally, commercialization timelines are often extended due to stringent approval processes. Moreover, price-sensitive farmers in developing regions may struggle to adopt these premium solutions. Consequently, while sustainability goals drive innovation, cost-related barriers restrict the widespread penetration of bio-based acaricides.

Opportunity:

Growth in organic farming and eco-friendly solutions

Consumer preference for residue-free produce and stricter environmental regulations are reshaping the pest control landscape. Increasing government support for sustainable agriculture practices is accelerating demand for natural formulations. Moreover, the expansion of organic-certified farmlands globally is creating new revenue avenues for eco-friendly acaricides. Companies that align product portfolios with organic certification standards can strengthen competitiveness while meeting evolving consumer and regulatory expectations in this growing market.

Threat:

Potential bans on synthetic acaricides

Potential bans on synthetic acaricides pose a looming threat to the market, particularly in regions enforcing strict environmental and public health regulations. Regulatory authorities in the European Union and North America are increasingly evaluating the long-term ecological and toxicological impacts of chemical-based formulations. Moreover, bans on specific active ingredients could disrupt supply chains and reduce farmer access to cost-effective solutions. Additionally, compliance challenges for

manufacturers may increase operational expenses. Such developments may accelerate the transition toward bio-based alternatives but create near-term uncertainty.

Covid-19 Impact:

The COVID-19 pandemic created both challenges and opportunities for the acaricides market. Disruptions in supply chains and restrictions on workforce availability initially constrained production and distribution. Additionally, delays in agricultural inputs and trade logistics negatively impacted product accessibility in several regions. However, heightened awareness of food security and the importance of safeguarding yields drove renewed investments in pest management solutions. Moreover, recovery in global farming activity, coupled with digital procurement channels, enabled the market to stabilize and regain growth momentum post-pandemic.

The organophosphorus compounds segment is expected to be the largest during the forecast period

The organophosphorus compounds segment is expected to account for the largest market share during the forecast period due to its broad-spectrum efficacy and cost-effectiveness in combating mites across diverse crops. These compounds are widely adopted in both developed and emerging agricultural economies, ensuring robust market penetration. Moreover, their availability in multiple formulations enhances adaptability for varied farming conditions. Additionally, limited resistance development compared to other alternatives sustains their relevance. Their established presence, strong demand, and proven effectiveness consolidate this segment's leadership position.

The liquid formulations segment is expected to have the highest CAGR during the forecast period

Over the forecast period, the liquid formulations segment is predicted to witness the highest growth rate as it addresses the evolving needs of precision agriculture and modern farming practices. Its superior solubility and ease of integration into automated spraying systems enhance operational efficiency. Additionally, liquid formulations provide flexibility across different climatic conditions, improving their appeal globally. Moreover, innovations in eco-friendly solvents and carriers are reinforcing their acceptance in sustainable farming. These advantages position liquid formulations as the fastest-growing segment.

Region with largest share:

During the forecast period, the Asia Pacific region is expected to hold the largest market share due to its extensive agricultural base, rising pest incidences, and increasing adoption of modern crop protection methods. Countries such as China and India dominate production of cereals, fruits, and vegetables, where acaricides are widely applied. Additionally, supportive government policies and expanding food demand from large populations fuel adoption. Moreover, growing awareness among farmers regarding crop protection products further reinforces Asia Pacific's leading position.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR, propelled by rapid agricultural modernization and rising focus on yield optimization. The region's transition toward sustainable farming practices is also driving demand for innovative bio-based and eco-friendly acaricides. Additionally, expanding agribusiness investments and increasing penetration of organized retail channels enhance accessibility to advanced solutions. Moreover, climate variability across Asia Pacific is intensifying pest challenges, thereby creating sustained demand. These dynamics collectively contribute to its strong growth trajectory.

Key players in the market

Some of the key players in Acaricides Market include Bayer AG, Syngenta Group, BASF SE, Corteva Agriscience, FMC Corporation, UPL Limited, Sumitomo Chemical Co., Ltd., Nufarm Limited, ADAMA Ltd., Nissan Chemical Corporation, PI Industries Ltd., Gowan Company, Helm AG, Albaugh LLC, Chr. Hansen A/S, Mitsui Chemicals, Inc., Koppert Biological Systems, Nutrien Ltd.

Key Developments:

In July 2023, BASF and Vivagro, an innovative French company focused on agroecological solutions, signed a distribution agreement for the product Essen'ciel for the Italian and Spanish market. Essen'ciel is a natural fungicide, insecticide and acaricide based on sweet orange essential oil. It is approved for organic uses, including vine grapes, vegetable crops, berries, ornamental crops, industrial crops and arboriculture. Especially for pip fruits such as apples, pears, and quinces, Essen'ciel represents an alternative biocontrol product in light of scarcity of insecticide solutions.

In November 2021, Syngenta Crop Protection announces PLINAZOLIN® technology a new and innovative active ingredient with a novel Mode of Action (IRAC Group 30) for insect control that will help growers protect their crops from a wide range of pests. PLINAZOLIN® technology delivers a new standard of performance, particularly against pests for which existing products no longer can provide effective control. It provides an effective solution in resistance management strategies and replaces older, less effective chemistries. The sunlight stability and rain-resistant properties of PLINAZOLIN® technology allow for longer spray intervals and fewer applications aimed at improving crop productivity and quality.

Types Covered:

Organophosphorus Compounds

Organochlorine Acaricides

Carbamates

Synthetic Pyrethroids

Natural/Bio-based Acaricides

Other Types

Formulations:

Liquid Formulations

Powder Formulations

Applications Covered:

Agriculture

Animal Husbandry

Industrial

Other Applications

Regions Covered:

North America

US

Canada

Mexico

Europe

Germany

UK

Italy

France

Spain

Rest of Europe

Asia Pacific

Japan

China

India

Australia

New Zealand

South Korea

Rest of Asia Pacific

South America

Argentina

Brazil

Chile

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:

- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

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