

Agricultural Biologicals Market worth \$24.6 billion by 2027

Agricultural Biologicals Market by Function, Product Type (Microbials, Macrobiotics, Semiochemicals, Natural products), Mode of Application, Crop Type and Region

NORTHBROOK, UNITED STATES, March 24, 2022 /EINPresswire.com/ -- The [Agricultural Biologicals Market](#) is estimated at USD 12.9 billion in 2022; it is projected to grow at a CAGR of 13.7% to reach USD 24.6 billion by 2027. Strong initiatives toward organic farming and the increasing awareness of environmental protection have encouraged the demand for agricultural biologicals in the agriculture industry. Factors such as degrading soil health due to the increasing usage of chemical-based crop protection methods, decreased productivity, and rising instances of pest infestations are the key factors contributing to the growth of the biologicals segment for crop protection and crop enhancement.

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The global agricultural biologicals market is dominated by North America and Europe in 2022 due to the adoption of advanced agricultural technologies and organic farming practices. However, the demand for agricultural biological products in developing countries of regions, such as Asia Pacific and South America, has significantly increased. This increase in demand is primarily attributed to the stringent regulatory frameworks regarding the maximum residue level (MRL); banning of chemical pesticides; increase in the cost of agricultural inputs, such as seeds; and a decrease in the proportion of cultivable land. The adoption of GM seeds and integrated pest management (IPM) are the key factors that have also contributed to the growth of the biologicals market.

The Biocontrol segment by function is projected to achieve the fastest growth in the Agricultural Biologicals market.

The usage of biocontrol methods in integrated pest management programs is projected to drive the growth of the market. Biological control is a key component of an Integrated Pest Management (IPM) strategy, with biological control tactics taking precedence over other strategies in the program and vice versa. The increasing popularity of biopesticides in crop protection compared to their synthetic counterparts is due to their lower development cost, suitable use in sustainable agriculture, and as an additional tool to manage resistance in

integrated pest management schemes.

By product type, the microbial segment is estimated to account for the largest market share in the Agricultural Biologicals market.

The ability to increase the nutrient availability in the soil and enhance plant yield to drive the growth of the microbials segment. Microbial biological control agents (MBCAs) are used to biologically control plant pathogens in crops, and they work in a variety of ways. Without directly interacting with the pathogen, some MBCAs interact with plants via inducing resistance or priming plants. Other MBCAs modulate pathogen growth conditions through nutritional competition or other methods.

The foliar segment by mode of application is estimated to account for the largest market share of the Agricultural Biologicals market over the forecast period.

The foliar spray segment dominated the agricultural biologicals market in 2022. The ease of use and non-technicality of the method are key factors that have led to its increasing popularity and preference. Besides the developing countries, foliar sprays are also widely accepted by farmers of developing countries due to their low cost than soil and seed treatment.

The fruits and vegetables segment is estimated to observe the fastest market growth in the Agricultural Biologicals market during the forecast period.

The fruits & vegetables segment accounts for the largest share in the agricultural biologicals market since most companies offer biological solutions for vegetable crops, such as tomatoes, cabbage, pumpkin, cucumber, and bitter gourd. According to the FAO's Statistical Yearbook of Food & Agriculture Organization, the production of vegetables has grown intensively on a per capita basis and has increased by nearly 60% in the last 20 years. Moreover, the production of vegetables accounts for nearly 12% of the total area and 14% of the total production globally.

North America is estimated to be the largest market.

The agricultural biologicals market is growing in North America due to the increasing applications in the agricultural sector for the adoption in fields, vegetables, and fruit crops. The governments in the North American region have made the registration of biopesticides products more efficient through the development of modified test methodologies and clear guidance documents. This helps key companies to develop new products and register them before commercialization.

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The key players in this market include BASF (Germany), Syngenta (Switzerland), Bayer AG

(Germany), UPL (India), Marrone Bio Innovation, Inc (US), Gowan Company (US), Vegalab SA (Switzerland), Lallemand Inc (Canada), Valent Bioscience (US), Koppert Biologicals System (Netherlands), Biovert S.L. (Spain), Trade Corporation International (Spain), Stockton Bio AG (Israel), Biolchim SPA (Italy), and Rhizobacter (Argentina). These players in this market are focusing on increasing their presence through agreements and collaborations. These companies have a strong presence in North America, Asia Pacific and Europe. They also have manufacturing facilities along with strong distribution networks across these regions.

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