

UAE Pesticide Market By Type (Herbicides, Insecticides, Fungicides, Others), By Crop Type (Oilseeds & Pulses, Grains & Cereals, Fruits & Vegetables, Others), By Region, Competition, Forecast & Opportunities, 2020-2030F

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Abstracts

UAE Pesticide Market was valued at USD 185.43 Million in 2024 and is expected to reach USD 199.45 Million by 2030 with a CAGR of 4.18% during the forecast period. The significant growth in crop production in the region is primarily attributed to several factors, including favorable climatic conditions, advanced farming techniques, and increased investment in agricultural infrastructure. As a result, the demand for herbicides, which are widely used to control invasive plant species, has also seen substantial growth, making it the largest segment in the market.

Key Market Drivers

Growth in Crop Rotation and Diversification

Crop rotation, the practice of growing different types of crops in the same area in sequential seasons and crop diversification, the practice of growing multiple crop species in the same space are gaining traction in the UAE. These practices contribute to pest control, disease mitigation, and improved soil fertility, thereby enhancing overall agricultural productivity. For instance, research has shown that longer crop rotations can enhance yields and profits while reducing pesticide use and pollution. By allowing different crops to be planted in a specific area over several seasons, the risk of pests and diseases building up in the soil is minimized. Additionally, crop diversification increases agricultural resilience to adverse growing conditions, such as extreme weather events or soil nutrient depletion. This diversification not only spreads the risk of

crop failure but also promotes a more sustainable and balanced farming system.

The growth in crop rotation and diversification is driving the UAE pesticide market in several ways. Firstly, as farmers diversify their crops, they require a broader range of pesticides to deal with various pests and diseases associated with different crops. This increased demand is contributing to the expansion of the pesticide market, creating opportunities for pesticide manufacturers and suppliers.

Secondly, although these practices can reduce the overall quantity of pesticides used, they necessitate more targeted and specific pesticide application. As farmers switch from relying heavily on a single crop to cultivating a variety of crops, they need to adopt more precise and tailored pest management strategies. This trend is driving the demand for specialized pesticides that target specific pests and diseases, further stimulating market growth and innovation in pesticide formulations. The growth in crop rotation and diversification is playing a key role in driving the UAE pesticide market. As these sustainable farming practices become increasingly prevalent, the demand for various types of pesticides is set to rise, providing numerous opportunities for market expansion. This shift towards more diversified and resilient agricultural systems not only benefits farmers but also contributes to the overall sustainability and long-term viability of the UAE's agricultural sector.

Key Market Challenges

Rising Concerns Associated with Pesticide Residue

Pesticide residues are the traces of pesticides that remain on or in food after they are applied to food crops. The excessive use of pesticides can have significant negative impacts on both human health and the environment, making it a pressing public health issue. Despite their crucial role in controlling pests and diseases, pesticides have been linked to a wide range of health problems. These issues span from short-term impacts such as headaches and nausea to chronic impacts like cancer, reproductive harm, and endocrine disruption, posing long-term risks to individuals and communities.

Concerns about pesticide residues are exerting considerable influence on the UAE pesticide market in various ways. Firstly, there is a growing consumer demand for organic and residue-free produce, prompting a decline in the demand for conventional pesticides. This shift in consumer preference is compelling farmers to reevaluate their pest management strategies, potentially affecting the sales and usage of chemical

pesticides.

Key Market Trends

Growing Focus on Crop-Specific Pest Management

Crop-specific pest management is a comprehensive approach that involves tailoring pest control strategies to meet the specific needs of each crop. By taking into account the unique characteristics and vulnerabilities of different crops, as well as the local environmental conditions, this approach can significantly enhance the effectiveness of pest control measures while reducing unnecessary pesticide use and minimizing environmental impact. Moreover, the implementation of crop-specific pest management allows farmers to adhere to the increasingly stringent regulations concerning pesticide residues on food crops. By adopting this approach, farmers can ensure that their produce meets the highest quality and safety standards, thereby enhancing consumer confidence and satisfaction. In November 2024, the National Pest Management Association (NPMA), in collaboration with Ecovar, announced the opening of registrations for PestWorld East 2025, set to take place on April 15-16, 2025, in Dubai, UAE. This conference will bring together industry professionals from the Middle East, Africa, South Asia, and India to discuss emerging technologies, sustainable pest management practices, and region-specific solutions. PestWorld East serves as a key platform for addressing industry challenges and fostering knowledge exchange in regions with unique pest control needs.

The growing emphasis on crop-specific pest management is exerting a notable influence on the pesticide market in the UAE. Firstly, it is driving the demand for a wider range of pesticides, as different crops require specific types of pest control products. This, in turn, is leading to an expansion of the product offerings available in the market, providing farmers with a broader selection to choose from. In September 2023, the 18th International Crop Science Conference & Exhibition (ICSCE 2023 Delhi), organized by the Pesticides Manufacturers and Formulators Association of India (PMFAI), was held at Hyatt Regency Gurugram and received strong industry participation. The event featured 68 exhibitors and over 750 delegates from multiple countries, including the UAE (Dubai), India, the USA, Brazil, and several others, fostering discussions on pesticide advancements, regulatory frameworks, and market trends. The UAE's involvement highlighted its growing engagement in global pesticide trade and its increasing focus on sustainable agricultural practices and international collaborations.

Key Market Players

Emirates Rawabi Est.

Anglo Gulf Limited

BASF UAE

AGRI Ventures FZE

Syngenta UAE

Report Scope:

In this report, the UAE Pesticide Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

UAE Pesticide Market, By Type:

Herbicides

Insecticides

Fungicides

Others

UAE Pesticide Market, By Crop Type:

Oilseeds & Pulses

Grains & Cereals

Fruits & Vegetables

Others

UAE Pesticide Market, By Region:

Dubai

Abu Dhabi

Sharjah

Rest of UAE

Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the UAE Pesticide Market.

Available Customizations:

UAE Pesticide Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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