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Global Nematicides Market - Forecasts from 2020 to 2025

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Abstracts

The global nematicides market is expected to grow at a compound annual growth rate of 4.01% over the forecast period to reach a market size of US$1,752.236 million in 2025 from US$1,384.019 million in 2019. There are a substantial need and use of different types of pesticides to remove harmful pests and other types of organisms. This will help in the enhancement of overall food production and yield. Nematicides are a type of pest control agent and solution that is widely becoming popular in the global agriculture market. It is known as a type of a chemical agent, which is used to control and remove plastic worms or other types of harmful pests. They are being used for agriculture practices in various forms for centuries. There are several types of novel nematicides available in the market, and various key players and manufacturers are investing a consider-able sum of capital into the development of sustainable and environmentally friendly nematicides. This type of chemical agent is especially used to remove nematodes. Small content and amounts of nematicides are used and spread in the field to protect crop seeds from nematode attack.

The nematicides are planted during the most critical and imperative stage of the growth of the plant or a crop. Nematicides are applied throughout a field through a specific method. They are applied uniformly, concerning the plant population density. There is a widespread need for a plant population density map, as it helps in the plantation of nematicides in those areas, where the concentration of nematodes is comparatively at a considerable rate. Digital agriculture and farming play an imperative role in the determination of harmful nematode pests. These types of chemical agents are mostly used in sandy soils and coarse-textured region. Geographic Information System is used in the production of field maps, that help in locating nematode content in a specific region. Various types of technological advanced will play an indispensable role in the growth of the nematicide market during the forecast period. Planting a site-specific

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method and application is another form of advanced development, which was introduced by a group of researchers from the southeast USA. This type of method helps in the reduction of costs, rates, and other types of effects, while it holds on to its essential properties of protecting from parasitic and harmful nematodes. With the help of real-time and satellite navigation and GPS, the method is completely useful for planting nematicides in a specific region.

Thee COVID-19 pandemic has had a notable impact on the global nematicides market. The market is consolidated and is dominated by major players such as Bayer AG, Syngenta AG, UPL Ltd, and others. These companies have a considerable presence in the majority of the regions and are also operating manufacturing facilities in those regions. COVID-19 didn't make a significant impact on the market as the demand for pesticides continues to grow, because agriculture is an essential commodity and most counties rely on those sectors for economic as well as other related services. There has been a negligible im-pact on global supply chains and operations. Despite the lockdown and closure of borders by various governments worldwide, the nematicide market continues to register steady growth during that period. Agriculture is an essential commodity as there are certain seasons for the cultivation of useful and imperative crops such as wheat, grains, cereals, and others. Farmers and other agricultural players cannot afford to waste and avoid the cultivation period, despite the pandemic. Avoidance will lead to huge losses which is a negative setback for farmers, governments, and other stakeholders involved.

There has been a surge in the demand for bio-based nematicides products and this type will register significant growth during the forecast period. Even though chemical and synthetic nematodes continue to hold a significant share in the market and will generate exponential growth in the coming years, there has been an emergence for the usage of bio nematicides in an agricultural field and region. One of the reasons for the growth of this particular type is due to a surge in the adoption of Integrated Pest Management techniques, sustainable and environment-friendly agricultural practices, worldwide. Integrated pest management has been adopted by the European Union and it became a necessary regulation for the key players operating in the region. Without adapting to those regulations, it would become difficult to operate in the European Region. These regulations aim to ensure a reduction in the effects of harmful pesticides and to enhance sustainable goals. According to the data provided by the European Union, the cultivation area under Organic lands registered a significant growth from 13,532 hectares in the year 2016 to 15,635 hectares in the year 2018.

There are certain specific types of nematodes like cyst, lance, root-knot, and sting, that

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will drive the bio nematicides growth in the coming years. There are several pieces of evidence and observations conducted by various prominent institutions and R&D centers, which showed that bio nematicides products act interactively with other types of agricultural inputs, which also pass the consideration for environment-friendly and sustainable IPM Programs. According to a report published by the Egyptian Journal of Biological Pest Control, Fluorescens and Viride, one of the types of bio-based nematicide, when combined with neem cake, showed effective solutions and results in controlling and removing Meloidogyne Incognita. According to the journal of the International Organisation for biological control, an article published in 2017 stated that there has been a rise in the commercialization and adoption of various types of bio nematicides in the United States, in the last few years. There has been considerable research conducted in the development of Purpureocillium and Pasteuria app as possible nematicides. In India, the overall usage of biopesticides has registered significant growth in the last 25 years. The growth has surged from 123 metric tonnes in 1995 to 7,682 metric tonnes in 2019, under the scheme “Strengthening and Modernisation of Pest Management Approach.”

North America holds a major share and will register significant growth during the forecast period. The US market is growing at a supplementary rate because of the presence of various types of nematode pesticides, that are impacting the growth of economically and essential crops. The country also has a higher per capita income, which is also a major factor in the rise of the market. Farmers in the country are adopting and investing in sustainable and environment-friendly pesticides at a gradual rate. Chemical Fumigants still hold a major share in the market and soil fumigation is widely popular in the region. The soil Fumigation method is applicable for the shorter term and because of the substantial vitality of chemical nematicides, the chemicals are stored in warehouses, greenhouses, and others. Asia Pacific Region will also register significant growth because of the presence of major players and an immense agriculture market.

Segmentation:

By Type

Fumigants

Bio nematicides

Organophosphates

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Carbamates

Others

By Form

Liquid

Granular

By Applications

Fumigation

Seed Treatment

Drenching

Soil Dressing

Others

By geography

North America

USA

Canada

Mexico

South America

Brazil

Argentina

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Others

Europe

Germany

Spain

United Kingdom

France

Others

Middle East and Africa

Saudi Arabia

South Africa

Others

Asia Pacific

China

Japan

Australia

India

Others

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