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Global Acaricide Market - Forecasts from 2020 to 2025

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Abstracts

The global acaricide market is expected to grow at a compound annual growth rate of 5.74% over the forecast period to reach a market size of US$401.025 million in 2025 from US$286.903 million in 2019. There is an imperative need for the elimination of rodents, pests, and other harmful organisms from the food, agricultural land, industries, and other sectors. There have been significant development and innovation of different types of pesticides, in the past few decades. Acaricides are one of those pesticides that are widely used in the agricultural field, industries, and other related sectors. They are the chemicals, which are used in the elimination of mites and termites. There is another type of pesticide called “Ixodicides”, which are sometimes related to Acaricides, as they are both used in the killing of ticks. There are different types of pesticides that are available in the market. Some of them are carbamates, organophosphorus, pyrethroids formamidines, Fipronil, and others. The synthetic type of pyrethroids is one of the most effective and safest pesticides, which are extensively used in the elimination of ticks. Fipronil is also registering a substantial demand as it is used against pests and ticks. Several methods are used to eliminate ticks from the livestock and other types of animals. The dipping method is widely popular as it is more convenient and easier. People working in the dairy or agricultural field, which also contains livestock animals, usually follow this straightforward and uncomplicated approach of dipping pets and livestock into a pesticide bath. The term is also known as cattle dip when it is used for cattle. But there are limitations of this specific method, as ticks often take refuge and shelter in the ears, inside the toes, or near the tail, and continues to grow and expand their numbers. Then, the spray method is used. Acaricides chemicals can be delivered through motorized or manual sprays, which cover every part of an animal body.

The Acaricides chemicals are mixed with liquid or talc and are deposited or applied directly onto the animal’s coat or fur. There are other innovative solutions to achieve long-lasting effects. Plastic collars are widely used to protect pets and livestock. The collars are incorporated and dipped with Acaricides, which gives effective and long-

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lasting protection to the animal's skin from ticks and other detrimental organisms. Major companies and institutions have invested a considerable sum of capital into the development of environment-friendly and non-contaminated solutions for pests and ticks control. Dipping and Spray races use chlorinated hydrocarbon and arsenical chemicals, which are often contaminated and leads to various environmental problems. Herbal and other methods are becoming popular, as there have been significant developments happening in the respective field. Although there are various environmental effects of using Contaminated Acaricides, the market will continue to prosper at a substantial rate.

Ticks have become a menace and a major problem for livestock and pet owners. Despite the presence of various types of Acaricides, Ticks continue to pose significant challenges in the animal husbandry industry. There has been a dearth of knowledge and skills regarding the usage of Acaricides Chemicals. Many farmers and livestock owners use sub-standard tick control methods, which leads to the development of resistance to acaricides chemicals, by different types of parasites. Ticks are responsible for health and nutrients deficiency in an animal. It also leads to the growth of various tick-borne diseases and problems, damage of skin, abortion, and death of valuable cattle or herds. The treatment to remove and cure diseases related to ticks is considered excessive, which develops a difficult economic and financial situation for the farmers or other respective owners. Some of the common diseases developed by the ticks are Babesiosis, Anaplasmosis, and East Coast Fever. ECF is a dangerous disease that spreads into both hybrid and indigenous cattle and leads to the development of tick colonies in those animals. Anaplasmosis is spread by blue ticks and leads to dehydration and high fever in animals. According to the Food and Agriculture Organisation, 80% of the global cattle population has tick infestation and there have substantial economic losses by that. The global impact has been around USD 7.3 per year. The cattle tick causes widespread financial and economic losses in the Brazilian Cattle Industry, which has been around USD 3.24 Billion annually.

There have been substantial and significant developments in the Acaricide Market in the past few years. Some of the developments are:

1. In March 2020, Oro Agri, a major player in the pest control market, developed and registered a novel acaricide product in Spain. The product had been generating a significant demand and was registered in the Netherlands, in the same month. The novel plant protection product was approved by the Spanish Ministry Of Agriculture and is made with the use of orange oil, an imperative naturally originated substance. The product was authorized for use on different types of crops which include vegetables, top

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fruit, and vines. Orocide, which is the name of the product was also approved for its use in the control and elimination of leafhoppers, mites, and others. It provides a robust and rapid takedown on specific target pests. The product can also be used with the biological control programs as it has minimum effect on useful mites and insects. The product is also compatible with the Integrated Pest Management approach. Orocide contains essential and constructive adjuvants that give a proper spray pattern and approach, and cover s a wider range of leaves and other related types. Mites and Insects cannot develop effective resistance properties against this type of product.

2. In December 2019, The National Botanical Research Institute and The Indian Veterinary Research Institute in the City of Lucknow developed an environment-friendly herbal acaricide product to eliminate mites and ticks from infesting pets and livestock animals. The project was funded by the National Agricultural Innovation Project Initiative, a World Bank funded program. According to the data collected from the project testing, the product was more than 85% effective against rotten and resistant tick infestations. The technology had been declared stable, safe, which contains anti fly and lice repellent properties. This technology is environment friendly and acts as an excellent substitute for the Chemical Acaricides. The surge in the use of green technology would enhance the quality and productivity of meat, milk, and other dairy-based products. Chemical Acaricides have become reductant and various types of ticks and other parasites have developed resistance properties against them. The use of the herbal product would be a significant development in the pesticides market, as it will generate significant growth in the coming years. Organic Pesticide product has also been growing at an exponential rate, as they provide productivity and enhancement to the agricultural and dairy-based products.

Segmentation:

By Type

Natural

Organophosphorus

Organochlorine

Others

By Method

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Hand Dressing

Spray

Dipping Vat

By Applications

Industrial

Animal Husbandry

Agriculture

Others

By geography

North America

USA

Canada

Mexico

South America

Brazil

Others

Europe

Germany

Spain

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United Kingdom

France

Others

The Middle East and Africa

Asia Pacific

China

Japan

Australia

Others

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