

Soil Fumigant Market: Segmented By Form (Solid, Liquid, and Gas); By Product (Methyl Bromide, Phosphine, Chloropicrin, Metam Sodium, 3-Dichloropropene, and Others) and Region – Global Analysis of Market Size, Share & Trends for 2019–2020 and Forecasts to 2030

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Abstracts

[176+ Pages Research Report] Global Soil Fumigant Market to surpass USD 647 billion by 2030 from USD 429.60 billion in 2020 at a CAGR of 5.02 % in the coming years, i.e., 2021-30.

Product Overview

Soil Fumigant is a pre-plant pest control technology, where the soil is filled with gaseous fumigants in order to minimize pests in the soil. Soil fumigants target soil-borne pests and therefore have a considerable role in agriculture, nursery, and turbocharged cropland including nematodes, fungi, bacteria, weeds, and insects. Fumigant products deliver considerable sustainable and affordable ways to enhance plant yields in the agriculture industry regardless of geography. Fumigants are effective to overcome one or more pathogens' problems. Pathogens like nutsedge (weed) and root red (phytophthora) in tomatoes, for example, can be controlled by fumigant.

Market Highlights

Global Soil Fumigant market is expected to project a notable CAGR of 5.02 % in 2030. The main drivers of global market in soil fumigants are surging instances of agricultural diseases, enhancing economic demand per hectare in production, growing overall production of cereals, and increasing emphasis on increasing the quality of agricultural output. Moreover, increasing soil fumigant adoption in developing economies like China,

India, and others will provide new market opportunities for worldwide soil fumigants.

Global Soil Fumigant: Segments

Solid segment to grow with the highest CAGR during 2020-30

Global Soil Fumigant market is segmented by form into solid, liquid, and gas. Solid shape includes the use of mosquito and other pest control by pellets and tablets. Solid shape due to its ease of sprinkling and its reduced risk of gas exposure, it is the safest of the three types. Liquid form provides solutions for the elimination of molds, insects, and pests. They are normally sprayed with traditional sprayers over the desired area.

3- Dichloropropene segment to grow with the highest CAGR during 2020-30

Global Soil Fumigant is divided by product into Methyl bromide, Phosphine, Chloropicrin, Metam sodium, 3- Dichloropropene, and Others. 1,3-dichloropropene is a significant fumigant and a feasible biomethane replacement (MeBr). In comparison to bromomethane, 1,3-dichloropropene exhibits a lower vapor pressure and kH, slower deterioration, and high sorption coefficients. Ultimately, a greater absorption rate would make the compound more persistent in the soil.

Market Dynamics

Drivers

Reduces post-harvest loss

The fumigation for pest control reduces post-harvest losses. For example, ammonia gas fumigation controls the deterioration of citrus after harvest. The ammonia gas fumigation of lemons and oranges significantly reduces the post-harvest green mold and black mold, which is caused by the *Penicillium digitatum* and the *Penicillium italicum* respectively. This therapy does not harm oranges but allows the tissue on the crust of lemons to become dark in color in previously damaged areas. The spraying of ammonia lemons marginally speeds the transition from green to yellow of the natural color of the crust. Thus, fumigation technology helps to avoid the loss of agricultural products after harvest. The cleaning of storage rooms, silos, or warehouses also contributes to fumigation. This is used in pre-harvest cleaning for grain storage as a further preventive process.

Surging instances of agricultural diseases

The main drivers of global market in soil fumigants are surging instances of agricultural diseases, enhancing economic demand per hectare in production, growing overall production of cereals, and increasing emphasis on increasing the quality of agricultural output. Moreover, increasing soil fumigant adoption in developing economies like China,

India, and others will provide new market opportunities for worldwide soil fumigants.

Restraint

Stringent rules and regulation

Stringent rules and regulation, growing tolerance and proposed ban for methyl bromide, Unstable nature as well as potential hazards of the applications along with accumulation of residue during fumigation is likely to act as market restraints to the growth of the soil fumigant market.

Global Soil Fumigant Market: Key Players

Bayer Crop Science AG

Company Overview, Business Strategy, Key Product Offerings, Financial Performance, Key Performance Indicators, Risk Analysis, Recent Development, Regional Presence, SWOT Analysis

AMVAC Chemical Corporation

Trinity Manufacturing, Inc.

Arkema

BASF SE

Chemtura Corporation

Syngenta AG

Arysta LifeScience Limited

Great Lakes Solutions

The Dow Chemical Company

Novozymes.

Other Prominent Players

Global Soil Fumigant Market: Regions

Global Soil Fumigant market is segmented based on regional analysis into five major regions. These include North America, Latin America, Europe, Asia Pacific, and the Middle East, and Africa. Global Soil Fumigant in Asia Pacific held the largest market share of XX.X% in the year 2020. In 2020, The Asia Pacific soil fumigants market is projected to see strong growth due to increased economic growth and increased food demand. The increasing demand for food driven by the growing population would make developed nations such as China and India a crucial part of the soil fumigant market. North America, with strict chemicals used in agriculture, is anticipated to be the second-largest market, followed by Europe. In addition, in recent years African, South American, and Middle East countries have witnessed rapid economic and industrial development. These factors will create a favorable climate for the global market for soil

fumigants.

Global Soil Fumigant is further segmented by region into:

North America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United States and Canada

Latin America Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – Mexico, Argentina, Brazil, and Rest of Latin America

Europe Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – United Kingdom, France, Germany, Italy, Spain, Belgium, Hungary, Luxembourg, Netherlands, Poland, NORDIC, Russia, Turkey, and Rest of Europe

Asia Pacific Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – India, China, South Korea, Japan, Malaysia, Indonesia, New Zealand, Australia, and Rest of APAC

Middle East and Africa Market Size, Share, Trends, Opportunities, Y-o-Y Growth, CAGR – North Africa, Israel, GCC, South Africa, and Rest of MENA

Global Soil Fumigant report also contains analysis on:

Soil Fumigant Market Segments:

By Form

Solid

Liquid

Gas

By Product

Methyl bromide

Phosphine

Chloropicrin

Metam sodium

3- Dichloropropene, and Others

Soil Fumigant Market Dynamics

Soil Fumigant Market Size

Supply & Demand

Current Trends/Issues/Challenges

Competition & Companies Involved in the Market

Value Chain of the Market

Market Drivers and Restraints

Soil Fumigant Market Report Scope and Segmentation

Frequently Asked Questions

How big is the Soil Fumigant market?

What is the Soil Fumigant market growth?

Which segment accounted for the largest Soil Fumigant market share?

Who are the key players in the Soil Fumigant market?

What are the factors driving the Soil Fumigant market?

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4. ARKEMA

5. BASF SE

6. CHEMTURA CORPORATION**7. SYNGENTA AG****8. ARYSTA LIFESCIENCE LIMITED****9. GREAT LAKES SOLUTIONS****10. THE DOW CHEMICAL COMPANY****11. NOVOZYMES.****12. OTHER PROMINENT PLAYERS**

Consultant Recommendation

**The above-given segmentations and companies could be subjected to further modification based on in-depth feasibility studies conducted for the final deliverable.

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