

# **Global Agricultural Fumigants Market Size study, by Crop (Cereals & Grains, Fruits & Vegetables, Oilseeds & Pulses), by Form (Gaseous, Liquid, Solid), by Function (Fungicides, Herbicides, Insecticides, Nematicides), by Pest Control Method (Non-Tarp Fumigation By Injection, Structural Fumigation, Tarpaulin Fumigation, Vacuum Chamber Fumigation), by Application (Soil Treatment, Warehouse) and Regional Forecasts 2022-2032**

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## **Abstracts**

Global Agricultural Fumigants Market is valued approximately at USD 4.68 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 8.18% over the forecast period 2024-2032. Agricultural fumigants, essential for controlling pests, weeds, fungi, and other harmful organisms, play a crucial role in maintaining crop health, yield, and quality. These volatile compounds sterilize the environment, ensuring that the agricultural produce meets stringent food safety standards and market expectations. The broad application of fumigants spans from pre-planting processes, through post-harvest storage, to transportation, making them indispensable for commercial farming operations, grain storage facilities, and transportation companies. The market growth is primarily driven by the increasing focus on agricultural production, reduction of post-harvest losses, rising insect populations due to climatic changes, and advances in storage technology.

Challenges persist in the agricultural fumigants market, such as the proposed ban on methyl bromide, potential health hazards to workers, and the need for special licenses to handle fumigation services. Despite these obstacles, innovations aimed at reducing environmental impact, such as biodegradable fumigants and precise application

technologies like fumigation drones, are creating new opportunities. Additionally, the growing awareness among farmers about contamination-free food and the exploration of untapped markets in developing regions present significant growth potential for market players.

The key regions considered for the global agricultural fumigants market study include North America, Europe, Asia Pacific, Latin America, and Rest of the World. In 2023, North America emerged as the largest regional market, driven by stringent regulatory frameworks and a strong focus on maintaining high crop yield and quality. Whereas, the market in Asia Pacific is anticipated to grow at the fastest rate over the forecast period, led by countries like China, India, and Australia, due to their vast agricultural sectors and the crucial role of fumigants in pest control. Also, the region is influenced by strict policies on chemical use in agriculture, is increasingly researching alternative fumigation methods and bio-fumigants.

Major market player included in this report are:

BASF SE

Bayer AG

Syngenta Crop Protection AG

Dow Chemical Company

AMVAC Chemical Corporation

Eastman Chemical Company

FMC Corporation

Nufarm Limited

Lanxess AG

Rentokil Initial PLC

TriCal Group

Draslovka Holding a.s.

UPL Limited

Arkema SA

Solvay S.A.

The detailed segments and sub-segment of the market are explained below:

By Crop

- Cereals & Grains
- Fruits & Vegetables
- Oilseeds & Pulses

By Form

- Gaseous
- Liquid
- Solid

By Function

- Fungicides
- Herbicides
- Insecticides
- Nematicides

#### By Pest Control Method

- Non-Tarp Fumigation By Injection
- Structural Fumigation
- Tarpaulin Fumigation
- Vacuum Chamber Fumigation

#### By Application

- Soil Treatment
- Warehouse

#### By Region:

##### North America

- U.S.
- Canada

##### Europe

- UK
- Germany
- France
- Spain
- Italy
- ROE

##### Asia Pacific

- China
- India
- Japan
- Australia
- South Korea
- RoAPAC

##### Latin America

- Brazil
- Mexico

##### Middle East & Africa

- Saudi Arabia
- South Africa
- RoMEA

Years considered for the study are as follows:

- Historical year – 2022

- Base year – 2023
- Forecast period – 2024 to 2032

Key Takeaways:

- Market Estimates & Forecast for 10 years from 2022 to 2032.
- Annualized revenues and regional level analysis for each market segment.
- Detailed analysis of geographical landscape with Country level analysis of major regions.
- Competitive landscape with information on major players in the market.
- Analysis of key business strategies and recommendations on future market approach.
- Analysis of competitive structure of the market.
- Demand side and supply side analysis of the market.

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