+357 96 030922
info@marketpublishers.com

Herbicides Safener Market Forecasts to 2032 – Global Analysis By Type (Benoxacor, Furilazole, Dichlormid, Isoxadifen and Other Types), Crop (Corn, Soybean, Wheat, Sorghum, Barley, Rice and Other Crops), Herbicide Selectivity, Application and By Geography

https://marketpublishers.com/r/H2CB3A427143EN.html
Date: April 2025
Pages: 150
Price: US$ 4,150.00 (Single User License)
ID: H2CB3A427143EN

Abstracts

According to Stratistics MRC, the Global Herbicides Safener Market is accounted for $1.44 billion in 2025 and is expected to reach $2.73 billion by 2032 growing at a CAGR of 9.5% during the forecast period. Herbicide safeners are chemical substances that effectively control weeds while shielding crops from the negative effects of herbicides. These safeners reduce the herbicide's toxicity to the plant by improving the crop's capacity to metabolize it more quickly. In order to increase the tolerance of crops like corn, wheat, and rice to particular herbicidal compounds, they are frequently used in selective herbicide applications. Depending on the crop and herbicide type, herbicide safeners can be sprayed on the soil, applied as foliar sprays, or treated as seed treatments

According to the United States Department of Agriculture (USDA), in 2019, herbicides were applied to approximately 224 million acres of U.S. cropland, highlighting the extensive reliance on herbicides for weed control in agriculture.

Market Dynamics:

Driver:

Growing use of herbicides in farming

Farmers are using more herbicides to preserve crop yields and stop weed competition

+357 96 030922
info@marketpublishers.com

as a result of the growing number of herbicide-resistant weeds. However, if not used appropriately, some herbicides can damage crops. By improving the plant's capacity to detoxify the herbicide, herbicide safeners reduce this risk and guarantee targeted weed control while safeguarding the crops. This is especially crucial for large-scale farming operations, where productivity maintenance depends on efficient weed control. Herbicide safener demand is further increased by the need for safe and effective herbicide applications, which is a result of increased agricultural land use brought on by the world's growing food demand.

Restraint:

High costs of development and production

Herbicide safener development is an expensive process for manufacturers because it necessitates a great deal of research, testing, and regulatory approvals. To guarantee efficacy and safety, advanced safener formulations must pass stringent field testing, which raises the total cost. Furthermore, the manufacturing of safeners entails intricate chemical synthesis procedures that call for specialized facilities and machinery, raising manufacturing costs. Because of these exorbitant prices, safers may become less affordable, especially for small-scale farmers in developing nations, which would restrict market expansion.

Opportunity:

Growing interest in specialty agriculture and high-value crops

High-value crops like fruits, vegetables, and specialty grains are becoming more and more in demand worldwide, which is driving up demand for sophisticated weed management strategies that shield these crops from herbicide damage. Herbicide sensitivity is often higher in high-value crops, so safeners are a crucial tool for guaranteeing crop safety and maximum yields. Farmers are searching for new and creative ways to increase productivity without sacrificing crop quality as consumers choose organic and premium-quality produce. Moreover, herbicide safeners have the potential to significantly improve the selective herbicide applications for specialty crops, creating new sources of income for producers of agrochemicals.

Threat:

Competition from other technologies for weed control

+357 96 030922
info@marketpublishers.com

The market for herbicide safeners is seriously threatened by the development of alternative weed control technologies. Chemical herbicides are becoming less and less necessary owing to advancements in robotic weeding, laser-based weed removal, autonomous agricultural equipment, and AI-driven precision farming. To further reduce dependency on chemical-based weed control methods, gene-editing technologies like CRISPR-Cas9 are being investigated to create crop varieties resistant to weeds. Additionally, the demand for herbicide safeners may decrease as these non-chemical methods gain popularity and become more affordable, which would reduce the market share of agrochemical companies.

Covid-19 Impact:

The COVID-19 pandemic affected the herbicide safener market in a number of ways, including by upsetting international supply chains, creating a labor shortage, and postponing agricultural operations because of transportation and lockdown restrictions. A lot of agrochemical producers had trouble finding raw materials, which caused production to lag and costs to rise. Herbicide safener distribution was also impacted by trade restrictions and border closures, which led to supply-demand imbalances. But the pandemic also made food security even more crucial, which prompted farmers and governments to guarantee steady crop production. Furthermore, the move to precision and mechanized farming helped the market even more as farmers looked for effective ways to sustain output in the face of a shortage of labor.

The benoxacor segment is expected to be the largest during the forecast period

The benoxacor segment is expected to account for the largest market share during the forecast period because it is widely used in the production of corn and soybeans. It ensures better crop safety and weed control effectiveness by significantly lowering the phytotoxic effects of herbicides like acetochlor, alachlor, and metolachlor. Its dominance has been cemented by its broad adoption in important agricultural regions, especially in North America and Europe. Moreover, the expansion of herbicide-tolerant seed technologies and the rising demand for high-yield crops have also contributed to the benoxacor segment's growth. Its continued dominance of the market is a result of its regulatory approvals in numerous nations and compatibility with different herbicidal formulations.

The soybean segment is expected to have the highest CAGR during the forecast period

+357 96 030922
info@marketpublishers.com

Over the forecast period, the soybean segment is predicted to witness the highest growth rate. The rising demand for soybeans around the world is fueling this expansion, which calls for more extensive cultivation and the implementation of efficient weed control techniques. Herbicide safeners are being used more and more to shield soybean crops from possible herbicide-induced stress, improving crop yield and safety. Herbicide safener use is increasing in soybean production, which is further influenced by the adoption of advanced agricultural techniques and the focus on sustainable farming. Furthermore, soybean farmers are incorporating safeners into their weed control programs in order to preserve crop health and efficacy due to the emergence of herbicide-resistant weed species.

Region with largest share:

During the forecast period, the South America region is expected to hold the largest market share, driven by the widespread use of herbicide-resistant crops and extensive agricultural activities. Because of the region's emphasis on increasing crop yields to satisfy export and domestic demands, herbicide use has increased, which in turn has increased demand for safeners to shield crops from herbicide-induced stress. With their extensive production of maize and soybeans, nations like Brazil and Argentina play a major role in this market dominance. Additionally, in order to preserve the efficacy of herbicide applications, the growing number of herbicide-resistant weed species has made the use of safeners necessary.

Region with highest CAGR:

Over the forecast period, the Asia Pacific region is anticipated to exhibit the highest CAGR. The region's growing agricultural sector, especially in China and India, where there is a strong focus on raising crop yields to meet the demands of a growing population, is driving this growth. Increased demand for food security, rapid urbanization, and shrinking arable land has made it necessary to adopt advanced crop protection solutions, such as herbicide safeners, to maximize productivity. Furthermore, the region's growing farming community, increased government support through subsidies and favorable agricultural policies, and technological advancements in herbicide formulations are also driving the market's expansion.

Key players in the market

Some of the key players in Herbicides Safener Market include BASF SE, Dow AgroSciences LLC, Syngenta AG, Nufarm Limited, UPL Limited, Sumitomo Chemical

+357 96 030922
info@marketpublishers.com

Co., Ltd., Adama Agricultural Solutions Ltd., FMC Corporation, Chemtex Speciality Limited, Drexel Chemical Company, Bayer AG, DuPont de Nemours, Inc., Corteva Agriscience LLC, Helm AG and Arysta LifeScience Corporation.

Key Developments:

In October 2024, BASF and AM Green B.V. have signed a memorandum of understanding (MoU) to jointly evaluate and develop low-carbon chemical production projects in India, utilizing renewable energy. The agreement was signed by Dr. Markus Kamieth, Chairman of the Board of Executive Directors of BASF SE, and Mahesh Kolli, Group President of AM Green, during the Asia-Pacific Conference of German Business 2024 held in New Delhi.

In May 2024, Dow and Freepoint Eco-Systems Supply & Trading LLC announced an agreement for an estimated 65,000 metric tons per year of certified-circular, plastic waste-derived pyrolysis oil to produce new, virgin-grade equivalent plastics in Dow's U.S. Gulf Coast operations. Together, Dow and Freepoint Eco-Systems are building a recycling system that converts plastic waste into valuable materials and fosters a circular economy for plastics in North America.

In February 2024, Syngenta Crop Protection and Lavie Bio Ltd announced an agreement for the discovery and development of new biological insecticidal solutions. The collaboration will leverage Lavie Bio's unique technology platform to rapidly identify and optimize bio-insecticide candidates, as well as Syngenta’s extensive global research, development and commercialization capabilities.

Types Covered:

- Benoxacor
- Furilazole
- Dichlormid
- Isoxadifen
- Other Types

+357 96 030922
info@marketpublishers.com

Crops Covered:

- Corn
- Soybean
- Wheat
- Sorghum
- Barley
- Rice
- Other Crops

Herbicide Selectivities Covered:

- Selective Herbicides
- Non-selective Herbicides

Applications Covered:

- Pre-emergence
- Post-emergence

Regions Covered:

- North America
  - US
  - Canada

+357 96 030922
info@marketpublishers.com

- Mexico

Europe

- Germany
- UK
- Italy
- France
- Spain
- Rest of Europe

Asia Pacific

- Japan
- China
- India
- Australia
- New Zealand
- South Korea
- Rest of Asia Pacific

South America

- Argentina
- Brazil
- Chile

+357 96 030922
info@marketpublishers.com

Rest of South America

Middle East & Africa

Saudi Arabia

UAE

Qatar

South Africa

Rest of Middle East & Africa

What our report offers:
- Market share assessments for the regional and country-level segments
- Strategic recommendations for the new entrants
- Covers Market data for the years 2024, 2025, 2026, 2028, and 2032
- Market Trends (Drivers, Constraints, Opportunities, Threats, Challenges, Investment Opportunities, and recommendations)
- Strategic recommendations in key business segments based on the market estimations
- Competitive landscaping mapping the key common trends
- Company profiling with detailed strategies, financials, and recent developments
- Supply chain trends mapping the latest technological advancements

Free Customization Offerings:

All the customers of this report will be entitled to receive one of the following free customization options:

Company Profiling

Comprehensive profiling of additional market players (up to 3)

SWOT Analysis of key players (up to 3)

+357 96 030922
info@marketpublishers.com

Regional Segmentation

Market estimations, Forecasts and CAGR of any prominent country as per the client's interest (Note: Depends on feasibility check)

Competitive Benchmarking

Benchmarking of key players based on product portfolio, geographical presence, and strategic alliances

+357 96 030922
info@marketpublishers.com

Contents

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

10 KEY DEVELOPMENTS

11 COMPANY PROFILING

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

List Of Tables

LIST OF TABLES

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

+357 96 030922
info@marketpublishers.com

I would like to order

Product name: Herbicides Safener Market Forecasts to 2032 – Global Analysis By Type (Benoxacor, Furilazole, Dichlormid, Isoxadifen and Other Types), Crop (Corn, Soybean, Wheat, Sorghum, Barley, Rice and Other Crops), Herbicide Selectivity, Application and By Geography

Product link: https://marketpublishers.com/r/H2CB3A427143EN.html

Price: US$ 4,150.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:
info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page https://marketpublishers.com/r/H2CB3A427143EN.html