



Search...



(/)

Home (/) » Agrochemicals & Fertilizers (/industry/agrochemicals-and-fertilizers) »

Integrated Pest Management Pheromones Market Report, 2027



Integrated Pest Management Pheromones Market Size, Share & Trends Analysis Report By Product (Sex, Aggregation, Alarm), By Mode Of Application, By Application, By Region, And Segment Forecasts, 2020 - 2027

Published Date: Apr, 2020 | Base Year for Estimate: 2019 | Report ID: 978-1-68038-323-2

Format: Electronic (PDF) | Historical Data: 2016 - 2018 | Number of Pages: 100

Report Summary

Table of Contents

Segmentation

Methodology

Request a FREE Sample Copy

Report Overview

The global integrated pest management pheromones market size was valued at USD 743.1 million in 2019 and is expected to expand at a CAGR of 7.4% from 2020 to 2027. Growing awareness regarding food security and concerns over the ill effects of synthetic [crop protection chemicals \(/industry-analysis/crop-protection-chemicals-market\)](/industry-analysis/crop-protection-chemicals-market) are expected to drive the market. Integrated pest management (IPM) pheromones are considered clean and eco-friendly as compared to pesticides.

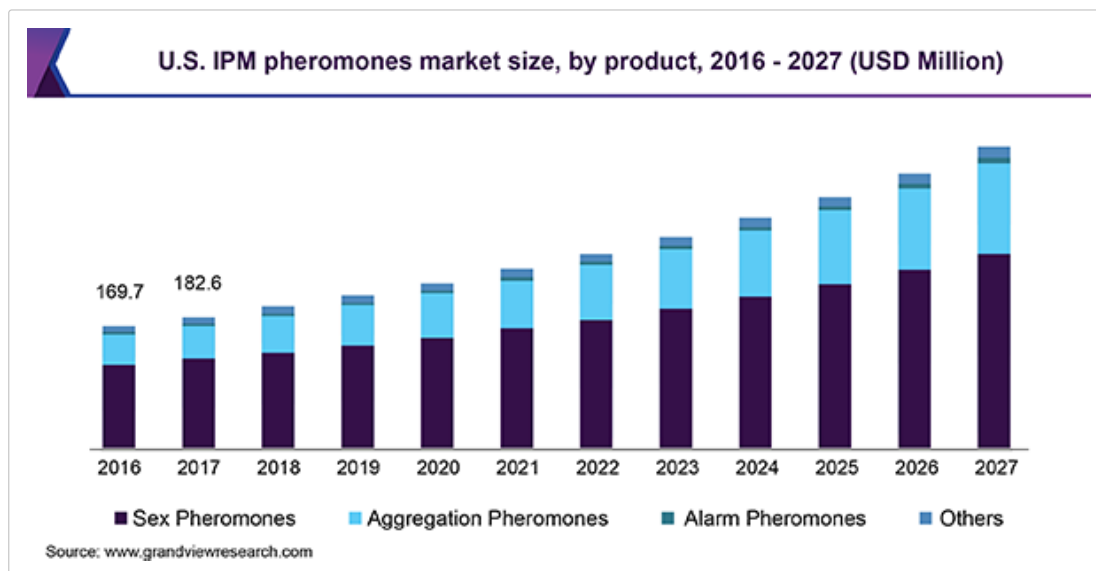
GET A
FREE
SAMPLE

This FREE sample includes market data points, ranging from trend analyses to market estimates & forecasts. See for yourself...

SEND ME A FREE SAMPLE

</industry-analysis/ipm-pheromones/request/rs15>

This site uses cookies to improve user experience. [More Info \(/info-privacy-policy\)](/info-privacy-policy) (x)



GET A FREE SAMPLE - This sample report includes market data points, ranging from trend analyses to market estimates & forecasts. [Send me a FREE sample \(/industry-analysis/ipm-pheromones/request/rs2\)](#)

IPM pheromones belong to the category of products that are used to trap, catch, or kill pesticides, mainly during agricultural activities. They are insect secretions used to communicate and trap other pests. They are classified under the semiochemicals category, which are the chemicals that convey signals from one organism to the other in order to modify the behavior of the recipient organism.

Globally, North America is the largest regional market in terms of consumption of IPM pheromones on account of significant demand from U.S. Sex pheromones emerged as the leading integrated pest management pheromone in the U.S. and accounted for a share of 67.2% in 2019.

The U.S. government is taking initiatives to improve the agriculture sector of the country, which is anticipated to boost the demand for IPM pheromones. The Federal IPM Coordinating Committee was established in 2001 by the United States Department of Agriculture (USDA) that provides interagency guidance on integrated pest management policies, programs, and budgets. The USDA is also taking up an initiative to implement pest management on farms, homes, landscapes, and other structures. The goal is to implement integrated pest management practices on about 75% of the nation's crop production. U.S. is also one of the major exporters of agricultural products and hence farmers and the government organizations are focusing on the development of sustainable farming techniques.

Incorporation of integrated pest management technology in crop protection offers a variety of benefits to the farmers, environment, and pest management organizations. The application of integrated pest management techniques reduces the farmer's economic risk while promoting low-cost pest management practices. It reduces the health risk of field workers by encouraging the adoption of best management practices. The reduction in crop and land destruction is anticipated to propel the demand for IPM pheromones over the forecast period.

Penetration of IPM pheromones in developing agricultural regions such as India, China, Brazil, and Thailand is less as compared to other pesticides. It is one of the major factors restraining market growth. The long-term

usage of pesticides, along with their effective results, restricts the adoption of new techniques by farmers. Governments across the globe are undertaking initiatives to educate farmers and cultivators regarding the benefits of IPM pheromones.

A significant obstacle in the large-scale implementation of IPM pheromones is its restricted use as an insecticide for specific targets. In the crop protection scenario, insecticide application is known to affect non-targeted species to a large extent. To target a wide number of species, suppliers of IPM pheromones need to extensively invest in R&D activities to identify and target different pests.

Product Insights

Major IPM pheromones are sex, aggregation, and alarm pheromones. Sex pheromones accounted for a share of 66.7% in 2019 owing to their wide usage to control insect population in the field. These pest management pheromones are considered highly effective for pest management as they curb mating disruption and larvae multiplication on crops and trees.

Sex pheromones are primarily extracted from female insects to attract males for mating as they deposit larvae eggs on crops, which then feed on crops, thereby negatively impacting yield. The Codling Moth Areawide Management Program (CAMP) was one of the first programs initiated in 1995 by USDA for the control and management of Cydia Pomonella by mating disruption. It was undertaken to reduce the usage of conventional insecticides by 80% in five years.

Alarm pheromones exhibit low penetration and are anticipated to register a moderate CAGR of 5.5% from 2020 to 2027. These pest management pheromones are emitted by insects in response to approaching predators or rapid changes in the immediate environment. They are not useful in removing pests from a food source as they can only deter insects from reaching.

Report Coverage & Deliverables

PDF report & online dashboard will help you understand:

- ✓ Competitive benchmarking
- ✓ Historical data & forecasts
- ✓ Company revenue shares
- ✓ Regional opportunities
- ✓ Latest trends & dynamics

Request a Free Sample Copy

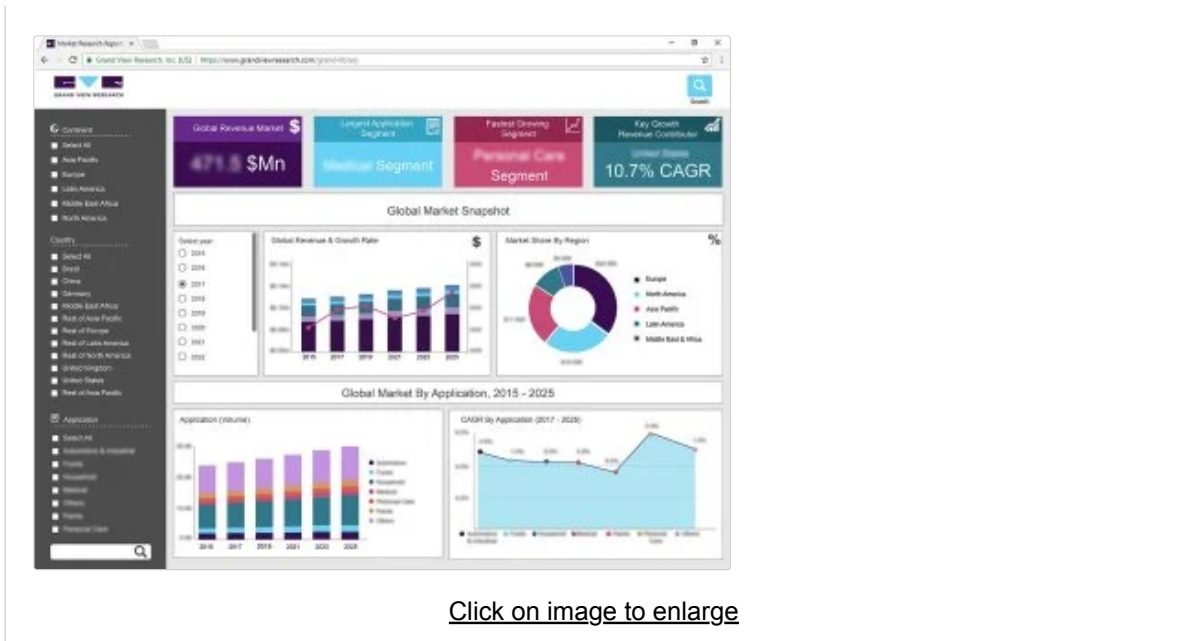
GET A
FREE
SAMPLE

This FREE sample includes market data points, ranging from trend analyses to market estimates & forecasts. See for yourself...

SEND ME A FREE SAMPLE

phenomones/request/rs15)

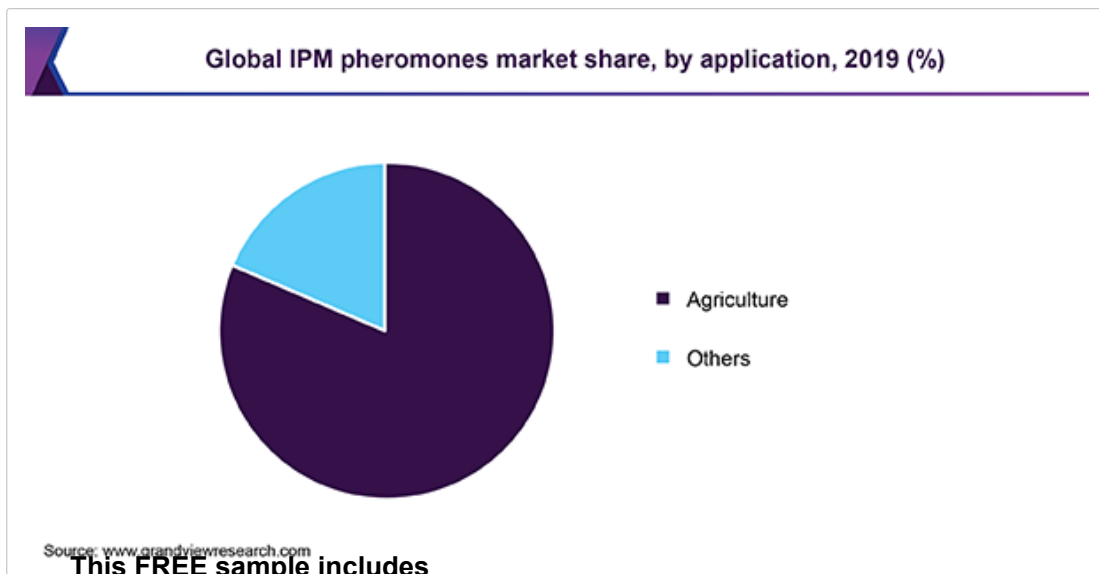
This site uses cookies to improve user experience. More Info (/info/privacy-policy) (x)



Mode of Application Insights

The application modes of pheromones include monitoring & detection, mass trapping, mating disruption, and others such as push-pull strategy and biological control. Mating disruption was the prominent application segment in 2019 with a share of 41.19%. In this integrated pest management technology, male insects are confused by producing artificial dispensers, which delays their mating and reproduction of pests.

Sex pheromones are largely used in mating disruption activities due to their ability to disrupt the behavior of male insects affecting the development of moths. However, one of the major disadvantages of mating disruption is that it is a targeted pest management technique and can only be used for certain species of moths. Mating disruption turns out to be ineffective in areas where the population of moths is too high.



GET A FREE SAMPLE This FREE sample includes market data points, ranging from trend analyses to market estimates & forecasts. See for yourself...

To learn more about this report, request a free sample copy (<https://www.grandviewresearch.com/industry-analysis/ipm-pheromones/request/rs3>) or contact us at sales@grandviewresearch.com. This site uses cookies to improve user experience. [More Info](#) ([/info](#) [privacy-policy](#)) (X)

SEND ME A FREE SAMPLE

application technique is considered to be an initial step of pest management as it helps in analyzing the type

and quantity of pests in the field. It is also considered to be one of the early warning detection programs, where monitoring logs are used to analyze the data regarding pests.

Application Insights

The agricultural sector is the major application area of IPM pheromones and is anticipated to expand at a CAGR of 7.8% from 2020 to 2027. Growing trend of sustainable farming, along with stringent regulations on the usage of pesticides across the globe, is anticipated to drive the demand for IPM pheromones in this sector.

Inadequate knowledge among the farmers about the appropriate use of IPM pheromones is affecting the product demand. However, outreach programs undertaken by the local governments are increasing the awareness regarding the benefits of IPM pheromones among the farmers of developing countries, such as China, India, and Indonesia. This is eventually fueling the product demand in the agricultural sector.

Some of the other applications of IPM pheromones are turf development, landscape gardening, and horticulture. The penetration of these pest management pheromones is low in these applications owing to the availability of low-cost substitutes. IPM pheromones are majorly used as insecticides and hence are projected to be less popular as compared to other agrochemicals.

Regional Insights

North America was the largest regional market for integrated pest management (IPM) pheromones, accounting for a 40.59% share of the overall revenue in 2019. Demand for IPM pheromones appears to be gaining ground in the agriculture sector of the region as farming has become mechanized and heavily dependent upon an integrated system for supporting agribusinesses.

Farmers in North America have started adopting improved technologies, such as IPM, chemical and [biofertilizers \(/industry-analysis/biofertilizers-industry/\)](/industry-analysis/biofertilizers-industry/), and grain elevators. Growing need for effective pest management techniques to develop specialized crops has compelled many farmers to adopt integrated pest management programs for crop protection. Adoption of the precision farming initiative by the federal government in Canada to develop ecological and economy friendly methods is expected to provide avenues for the market over the forecast period. Under Budget 2017, the Canadian government allocated USD 70 million to support innovation in the agriculture and food industry. An additional investment of USD 25 million in agricultural technologies was also approved under budget 2017.

Europe is the second largest market and is anticipated to exhibit a CAGR of 6.8% from 2020 to 2027 due to rising demand in countries, such as Spain, Italy, and the UK. The government bodies in the country are adopting several environmental quality objectives that are aimed at promoting biodiversity, which includes stringent regulations against pesticides.

Key Companies & Market Share Insights

Key players operating in the market are currently focusing on increasing product awareness by enhancing their footprint, innovation, product varieties, and R&D activities. Factors such as increasing demand for food crops and rising awareness about sustainable methods for pest management are expected to drive the market. Some of the major market players are Active IPM, Russell IPM, and AgbiTech. A large number of companies are focusing on obtaining government approvals for the application of the pheromones/request/rs15) user experience. [More Info \(/info\)](/info)

GET A FREE SAMPLE This FREE sample includes market data points, ranging from trend analyses to market estimates & forecasts. See for yourself...

SEND ME A FREE SAMPLE This site uses cookies to improve user experience. [More Info \(/info\)](/info)

product. Regulatory approval forms an important component of the market competition. Industry participants are making significant investments in new product development to target new regions and improve their offering.

IPM Pheromones Market Report Scope

Report Attribute	Details
Market size value in 2020	USD 793.9 million
Revenue forecast in 2027	USD 1319.7 million
Growth Rate	CAGR of 7.4% from 2020 to 2027
Base year for estimation	2019
Historical data	2016 - 2018
Forecast period	2020 - 2027
Quantitative units	Revenue in USD million and CAGR from 2020 to 2027
Report coverage	Revenue forecast, company ranking, competitive landscape, growth factors, and trends
Segments covered	Product, application, region
Regional scope	North America, Europe, Asia Pacific, Central & South America, Middle East & Africa
Country scope	U.S., Canada, Mexico, Germany, U.K., France, Italy, Spain, China, India, Japan, South Korea, Indonesia, Brazil, Argentina, Egypt
Key companies profiled	Syngenta Bioline, Russell IPM, Sumi Agro France, Hercon Environmental, Active IPM, AgBiTech, Agrichembio, Agrochem, ATGC Biotech, Atlas Agro, SemiosBIO, Shin-Etsu Chemicals, and Suterra LLC
Customization scope	Free report customization (equivalent up to 8 analysts working days) with purchase. Addition or alteration to country, regional & segment scope.
Pricing and purchase options	Avail customized purchase options to meet your exact research needs. Explore purchase options (/checkout/select-license/ipm-pheromones)

This FREE sample includes

GET A FREE SAMPLE market data points ranging from trend analyses to market estimates & forecasts. See for yourself...

SEND ME A FREE SAMPLE [\(/industry-analysis/ipm-pheromones/request-sample\)](/industry-analysis/ipm-pheromones/request-sample) This site uses cookies to improve your navigation. [View our privacy policy](#)

This report forecasts revenue growth at the global, regional, and country levels and provides an analysis of the latest industry trends and opportunities in each of the sub-segments from 2016 to 2027. For the purpose of this report, estimates have been provided based on our proprietary analysis of market trends.

of this study, Grand View Research has segmented the global integrated pest management pheromones market report on the basis of product, mode of application, application, and region:

• **Product Outlook (Revenue, USD Million, 2016 - 2027)**

- Sex Pheromones
- Aggregation Pheromones
- Alarm Pheromones
- Others

• **Mode of Application Outlook (Revenue, USD Million, 2016 - 2027)**

- Monitoring & Detection
- Mating Disruption
- Mass Trapping
- Others


• **Application Outlook (Revenue, USD Million, 2016 - 2027)**

- Agriculture
- Others

• **Regional Outlook (Revenue, USD Million, 2016 - 2027)**

- North America
 - U.S.
 - Canada
 - Mexico
- Europe
 - Germany
 - France
 - Italy
 - U.K.
 - Spain
- Asia Pacific

GET A FREE SAMPLE This FREE sample includes market data points, ranging from trend analyses to market estimates & forecasts. See for yourself...

SEND ME A FREE SAMPLE <https://www.grandviewresearch.com/industry-analysis/ipm-pheromones/request/rs15> This site uses cookies to improve user experience. [More Info \(/info/privacy-policy\)](#) 

- Indonesia
- Central & South America
 - Brazil
 - Argentina
- Middle East & Africa
 - Egypt

Frequently Asked Questions About This Report

How big is the ipm pheromones market? ▼

What is the ipm pheromones market growth? ▼

Which segment accounted for the largest ipm pheromones market share? ▼

Who are the key players in ipm pheromones market? ▼

What are the factors driving the ipm pheromones market? ▼

This report addresses:

- ✓ Market intelligence to enable effective decision making
- ✓ Market estimates & forecasts from 2016 to 2027
- ✓ Growth opportunities and trend analyses
- ✓ Segment & regional revenue forecasts for market assessment
- ✓ Competition strategy & market share analysis
- ✓ Product innovation listing for you to stay ahead of the curve
- ✓ COVID19's impact and how to sustain in these fast-evolving markets
- ✓ Market report in PDF, XLS, PPT & online dashboard versions

Need more?

- ✓ Speak to our analyst to understand how this research was put together
- ✓ Add more segments or countries to the scope as part of free customization
- ✓ Understand how this report can have a direct impact on your revenue

This FREE sample includes

GET A FREE SAMPLE market data points, ranging from trend analyses to market estimates & forecasts. See for yourself...

SEND ME A FREE SAMPLE

<https://www.grandviewresearch.com/industry-analysis/ipm-pheromones/request/rs15>

<https://www.grandviewresearch.com/industry-analysis/ipm-pheromones/request/rs7>

This site uses cookies to improve user experience. [More Info](#)

[Privacy Policy](#) (x)



Share (<https://www.linkedin.com/shareArticle?mini=true&url=https://www.grandviewresearch.com/industry-analysis/ipm-pheromones&title=Integrated+Pest+Management+Pheromones+Market+Size%2C+Share+%26+Trends+Analysis+Report+By+Product+%28Sex%2C+Aggregation%2C+Alarm%29%2C+By+Mode+Of+Application%2C+By+Application%2C+By+Region%2C+And+Segment+Forecasts%2C+2020+-+2027&submitted-image-url=https://www.grandviewresearch.com/static/img/logo.svg&source=https://www.grandviewresearch.com/>)



E-mail



Save



Print



GET A FREE SAMPLE



This FREE sample includes market data points, ranging from trend analyses to market estimates & forecasts. See for yourself...

SEND ME A FREE SAMPLE

(</industry-analysis/ipm-pheromones/request/rs15>)

Or view our licence options:

ORDER THIS REPORT

(</checkout/select-license/ipm-pheromones>)



NEED A CUSTOM REPORT?

We can customize every report - **free of charge** - including purchasing stand-alone sections or country-level reports, as well as offer affordable discounts for start-ups & universities.

Contact us now (</info/contact-us>) to get our best pricing.



We are GDPR and CCPA compliant! Your transaction & personal information is safe and secure.

We are committed towards customer satisfaction, and quality service.

**GET A
FREE
SAMPLE**

This FREE sample includes
market data points, ranging
from trend
analyses to market estimates &
forecasts. See for yourself...

SEND ME A FREE SAMPLE


(</industry-analysis/ipm-pheromones/request/rs15>)

This site uses cookies to improve
user experience. [More Info \(/info/privacy-policy\)](/info/privacy-policy) (x)



"The quality of research they have done for us has been excellent..."

Brian Moore, VP, NICCA USA, Inc.

More  (/info/testimonials)

Client Service & Recognition



Privacy & Security Compliance



(//sealserver.trustwave.com

/cert.php?customerId=7097ca8498a84418bc912ee5717dbd8b&size=105x54&style=)

Payment & Banking Partners



(//verify.authorize.net/anetseal/?pid=ff9257e0-1958-4e73-81b1-b053479348d6&rurl=https%3A

Bank of America.



//www.grandviewresearch.com/industry-analysis/us-sexual-wellness-market)

Follow us



(//www.facebook.com/grandviewresearch)

/grandviewresearch

/grand-

view-

research)

Company

> Customer FAQ (/info/faqs)

> How To Order (/info/how-to-order)

GET A **market data points, ranging**

> Privacy Policy (/info/privacy-policy)

FREE **from trend**

SAMPLE **analyses to market estimates &**

> Terms Of Use (/info/terms-of-use)

This FREE sample includes

market data points, ranging

from trend

analyses to market estimates &


forecasts. See for yourself...

SEND ME A FREE SAMPLE (/industry-analysis/ipm-

pheromones/request/rs15)

This site uses cookies to improve

user experience. [More Info](#) (/info

/privacy-policy). 

> Sitemap (/html-sitemap)

Office Address

📍 Grand View Research is registered in the State of California at Grand View Research, Inc. 201 Spear Street 1100, San Francisco, CA 94105, United States

☎ +1-415-349-0058 (tel:1-415-349-0058) or 1-888-202-9519 (tel:1-888-202-9519)

✉ sales@grandviewresearch.com (mailto:sales@grandviewresearch.com)

Business Hours

Our support available to help you 24 hours a day, five days a week.

Monday-Thursday :	9am to 5pm
Fridays:	9am to 4:30pm
Saturday & Sunday:	Closed

Copyright © 2021 Grand View Research, Inc. All rights reserved.



**GET A
FREE
SAMPLE**

**This FREE sample includes
market data points, ranging
from trend
analyses to market estimates &
forecasts. See for yourself...**

SEND ME A FREE SAMPLE

<https://www.grandviewresearch.com/industry-analysis/ipm-pheromones/request/rs15>

This site uses cookies to improve
user experience. [More Info \(/info-privacy-policy\)](#)

✕