

# **NORTH AMERICA BIOPESTICIDES MARKET FORECAST 2017-2025**

<https://marketpublishers.com/r/NE3E9CD3953EN.html>

Date: May 2017

Pages: 74

Price: US\$ 1,250.00 (Single User License)

ID: NE3E9CD3953EN

## **Abstracts**

### **KEY FINDINGS**

North America has the largest market share of biopesticide market. Reasons for high market share in North America are greater investment in research and development, well-established integrated pest management (IPM) and integrated crop management (ICM) programs and increase in area being allocated for organic cultivation.

The North America biopesticides market generated a revenue of \$1059 Million in 2016 and is anticipated to contribute \$5454 Million by 2025, growing at a CAGR of 20.0%. Various reasons for growth of the biopesticide market are increasing demand for organic food, awareness about harmful effect of chemical pesticides, novel products, easy decomposability and advent of new kind of pests.

Biopesticides are organic biological agents that are used to control harmful organisms, like pests and weeds. Bioinsecticides are organic formulations that are used for management of insects that attack crops. Biofungicides are formulations of microorganisms, mostly bacteria and fungi that are used to control plant pathogens. Bionematicide is a formulation of bacteria and fungi that is used to manage crop infestation by nematodes.

Biopesticides are very specific in nature in that they have high host specificity and are biodegradable. These are required in very small quantities and offer less exposure and decompose quickly without leaving too much of a trace and allow field re-entry almost immediately after application.

Biopesticide market is segmented on the basis of geography, product type, crop,

application and ingredient. On the basis of product type, biopesticides are classified as bioherbicide, bioinsecticide, bionematicide and biofungicide. On the basis of active ingredient, they can be microbial pesticides, plants pesticides and biochemical pesticides. Classification on basis of crop type is permanent crops, arable crops and others that include forage grass and turf grass. When classified on the basis of application it is seed treatment, soil treatment and post harvest application.

## **MARKET INSIGHTS**

Market drivers for biopesticides are need for environment friendly pesticides, growth in demand for organic food, awareness about chemical pesticide's after effects, stringent environment regulations, quick decomposition and advent of new kind of pests.

On the basis of active ingredients, microbial pesticides are most popular and have the highest market share and will continue to grow in the forecast period. Microbial pesticides are most popular due to their high effectiveness. Biopesticide for permanent crops has the highest market share and it is expected to grow at a healthy CAGR in the forecast period.

Factors that will restrain market growth are knowledge and understanding required for application of biopesticides, lack of awareness and time taken for these biopesticides to be effective.

## Contents

### **1. RESEARCH SCOPE**

- 1.1. STUDY GOALS
- 1.2. SCOPE OF THE MARKET STUDY
- 1.3. WHO WILL FIND THIS REPORT USEFUL?
- 1.4. STUDY AND FORECASTING YEARS

### **2. RESEARCH METHODOLOGY**

- 2.1. SOURCES OF DATA
- 2.2. BOTTOM UP APPROACH
- 2.3. TOP DOWN APPROACH
- 2.4. DATA TRIANGULATION

### **3. EXECUTIVE SUMMARY**

### **4. MARKET OVERVIEW**

- 4.1. KEY MARKET DRIVERS
- 4.2. RESTRAINTS
- 4.3. CHALLENGES
- 4.4. OPPORTUNITIES
- 4.5. PARENT MARKET: PESTICIDES MARKET

### **5. NORTH AMERICA**

- 5.1. UNITED STATES (U.S.)
- 5.2. CANADA

### **6. NORTH AMERICA BIOPESTICIDE MARKET BY PRODUCT TYPE**

- 6.1. BIOINSECTICIDES
  - 6.1.1. BIOFUNGICIDES
  - 6.1.2. BIONEMATICIDES
  - 6.1.3. NORTH AMERICA OTHER BIOPESTICIDES MARKET

### **7. NORTH AMERICA BIOPESTICIDE MARKET BY CROP TYPE**

## 7.1. BIOPESTICIDES IN CROP TYPES

7.1.1. BIOPESTICIDES IN GRAINS & CEREALS

7.1.2. BIOPESTICIDES IN OIL SEEDS

7.1.3. BIOPESTICIDES IN FRUITS & VEGETABLES

## 8. BIOPESTICIDES IN NON CROPS

8.1. BIOPESTICIDES IN TURF & ORNAMENTALS

## 9. NORTH AMERICA BIOPESTICIDES MARKET BY INGREDIENTS

9.1. MICROBIALS BIOPESTICIDES

9.1.1. BACTERIAL BIOPESTICIDES

9.1.2. VIRAL BIOPESTICIDES

9.1.3. FUNGAL BIOPESTICIDES

9.1.4. NEMATODE BIOPESTICIDES

9.1.5. OTHER MICROBIAL BIOPESTICIDES

## 10. NORTH AMERICA BIOPESTICIDE MARKET BY END USERS

10.1. NORTH AMERICA BIOPESTICIDES ON FARM MARKET

10.2. NORTH AMERICA BIOPESTICIDES SEED TREATMENT MARKET

10.3. NORTH AMERICA BIOPESTICIDES POST HARVEST MARKET

## 11. KEY ANALYTICAL FINDINGS

11.1. PORTER'S 5 FORCES ANALYSIS

11.2. PORTER'S FIVE FORCE MODEL

11.3. TOP THREE MARKET TRENDS

11.4. TOP THREE GEOGRAPHIES

11.5. COMPETITIVE LANDSCAPE, TOP WINNING STRATEGIES & COMPETITIVE MOVES AND MARKET SHARE ANALYSIS

## 12. COMPANIES PROFILES

12.1. BASF SE

12.2. BAYER CROPSCIENCE AG

12.3. BIOWORKS INC.

12.4. CERTIS USA

12.5. DUPONT

## **TABLE LIST**

**1. NORTH AMERICA BIOPESTICIDES MARKET 2017-2025 (\$ MILLION)**

**2. TYPES OF BIO PESTICIDES**

**3. FACTORS LIMITING USAGE OF BIOPESTICIDES IN COMPARISON TO CHEMICAL PESTICIDES**

**4. NORTH AMERICA BIOPESTICIDES MARKET BY APPLICATION 2017-2025 (\$ MILLION)**

**5. NORTH AMERICA BIOPESTICIDES MARKET BY CROP TYPE 2017-2025 (\$ MILLION)**

**6. NORTH AMERICA BIOPESTICIDES (GRAINS AND CEREALS) MARKET ON BY COUNTRY 2017-2025 (\$ MILLION)**

**7. NORTH AMERICA BIOPESTICIDES (OILSEEDS) MARKET ON BY COUNTRY 2017-2025 (\$ MILLION)**

**8. NORTH AMERICA BIOPESTICIDES (FRUITS AND VEGETABLES) MARKET ON BY COUNTRY 2017-2025 (\$ MILLION)**

**9. NORTH AMERICA BIOPESTICIDES (NON-CROP) MARKET ON BY COUNTRY 2017-2025 (\$ MILLION)**

**10. NORTH AMERICA BIOPESTICIDES (TURF AND ORNAMENTS) MARKET ON BY COUNTRY 2017-2025 (\$ MILLION)**

## **FIGURES LIST**

**1. MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM UP APPROACH**

**2. MARKET SIZE ESTIMATION METHODOLOGY: TOP DOWN APPROACH**

**3. DATA TRIANGULATION**

**4. KEY BENEFITS OF BIOPESTICIDES**

**5. SALE OF ORGANIC ITEMS IN US, 2016 (\$ BILLION)**

**6. OBJECTIVES FOR USAGE OF BIO-PESTICIDES**

**7. SALES, 2014, ORGANIC INDUSTRY (\$ BILLION)**

**8. CANADA ORGANIC FOOD AND BEVERAGES SALES BY PRODUCT  
CATEGORY, 2017-2025**

**9. RECENT DEVELOPMENT DEALS IN BIOPESTICIDES DEMONSTRATE  
SIGNIFICANT INTEREST IN THE SPACE FROM MAJOR COMPANIES**

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