

Global Crop Breeding Chip Supply, Demand and Key Producers, 2026-2032

<https://marketpublishers.com/r/G6A128F2C58FEN.html>

Date: August 2026

Pages: 110

Price: US\$ 4,480.00 (Single User License)

ID: G6A128F2C58FEN

Abstracts

The global Crop Breeding Chip market size is expected to reach \$ 85.68 million by 2032, rising at a market growth of 5.0% CAGR during the forecast period (2026-2032).

A crop breeding chip is a DNA microarray or sequencing-based genotyping tool developed specifically for plants, allowing breeders to rapidly analyze thousands to millions of genetic markers across a crop's genome. By detecting single nucleotide polymorphisms (SNPs) and other variations, these chips make it possible to identify and track desirable traits such as yield, quality, disease resistance, or stress tolerance with high accuracy. They provide a standardized, high-throughput, and cost-efficient way to integrate molecular data into breeding programs, thereby shortening selection cycles, improving prediction power, and supporting precision breeding strategies in modern agriculture.

The upstream segment of the crop breeding chip industry focuses on the development and production inputs necessary to create the chips. It includes the collection and analysis of plant genetic resources, such as germplasm and DNA samples, and the identification of genetic markers through biotechnology and sequencing. In addition, upstream suppliers provide chip design, reagents, substrates, and microarray or semiconductor manufacturing services that enable high-throughput genotyping.

The downstream segment centers on the application and commercialization of these chips. Major users include seed companies, crop breeding institutes, and agricultural research organizations, which apply chip-based genotyping to accelerate marker-assisted selection, trait analysis, and variety improvement. Ultimately, the results benefit farmers and agribusinesses through the development of high-yield, stress-resistant, and disease-tolerant crop varieties. In short, upstream activities provide the technological

foundation for chip production, while downstream activities translate that technology into practical breeding innovations and commercial seed products.

In 2025, global Crop Breeding Chip production reached approximately 1953 k Pcs, with an average global market price of around 28 USD/ Pc,.The production capacity for Crop Breeding Chip in 2025 was approximately 2500 k Pcs. The typical gross profit margin for Crop Breeding Chip between 20% and 40%.

The crop breeding chip market is primarily driven by seed industry modernization, wider adoption of molecular breeding technologies, agricultural digitalization, and rising demand for high-yield, high-quality, disease-resistant, and stress-tolerant crop varieties. As breeding programs shift from traditional phenotype-based selection toward the combined use of genotype and phenotype data, demand for cost-effective, high-throughput, and customizable genotyping tools is increasing among research institutes, seed companies, agricultural technology service providers, and germplasm resource centers. The market is gradually expanding from high-density universal arrays toward lower-cost liquid-phase chips, trait-specific customized panels, and multi-species-compatible platforms, while becoming more closely integrated with next-generation sequencing, artificial intelligence-assisted breeding, phenomics, and breeding databases. Suppliers with proprietary marker resources, chip design capabilities, bioinformatics platforms, and downstream breeding services are expected to gain stronger competitive positions.

This report studies the global Crop Breeding Chip production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Crop Breeding Chip and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of Crop Breeding Chip that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Crop Breeding Chip total production and demand, 2021-2032, (K Pcs)

Global Crop Breeding Chip total production value, 2021-2032, (USD Million)

Global Crop Breeding Chip production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs), (based on production site)

Global Crop Breeding Chip consumption by region & country, CAGR, 2021-2032 & (K

Pcs)

U.S. VS China: Crop Breeding Chip domestic production, consumption, key domestic manufacturers and share

Global Crop Breeding Chip production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Pcs)

Global Crop Breeding Chip production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

Global Crop Breeding Chip production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Pcs)

This report profiles key players in the global Crop Breeding Chip market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Thermo Fisher Scientific, Agilent, Illumina, ?nsect, Lasso Biochip Technology, GreenFaFa, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Crop Breeding Chip market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Pcs) and average price (US\$/Pc) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Crop Breeding Chip Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Crop Breeding Chip Market, Segmentation by Type:

Solid-phase Chip

Liquid-phase Chip

Global Crop Breeding Chip Market, Segmentation by Product Design:

Semi-custom Chips

Fully Custom Chips

Global Crop Breeding Chip Market, Segmentation by Marker Density:

Low-density Crop Breeding Chips

Medium-density Crop Breeding Chips

High-density Crop Breeding Chips

Global Crop Breeding Chip Market, Segmentation by Application:

Seed Companies

Research Institutes and Universities

Agricultural Biotechnology Companies

Breeding Service Providers

Others

Companies Profiled:

Thermo Fisher Scientific

Agilent

Illumina

Qnsect

Lasso Biochip Technology

GreenFaFa

Key Questions Answered:

1. How big is the global Crop Breeding Chip market?
2. What is the demand of the global Crop Breeding Chip market?
3. What is the year over year growth of the global Crop Breeding Chip market?
4. What is the production and production value of the global Crop Breeding Chip market?
5. Who are the key producers in the global Crop Breeding Chip market?
6. What are the growth factors driving the market demand?

Contents

1 SUPPLY SUMMARY

- 1.1 Crop Breeding Chip Introduction
- 1.2 World Crop Breeding Chip Supply & Forecast
 - 1.2.1 World Crop Breeding Chip Production Value (2021 & 2025 & 2032)
 - 1.2.2 World Crop Breeding Chip Production (2021-2032)
 - 1.2.3 World Crop Breeding Chip Pricing Trends (2021-2032)
- 1.3 World Crop Breeding Chip Production by Region (Based on Production Site)
 - 1.3.1 World Crop Breeding Chip Production Value by Region (2021-2032)
 - 1.3.2 World Crop Breeding Chip Production by Region (2021-2032)
 - 1.3.3 World Crop Breeding Chip Average Price by Region (2021-2032)
 - 1.3.4 North America Crop Breeding Chip Production (2021-2032)
 - 1.3.5 Europe Crop Breeding Chip Production (2021-2032)
 - 1.3.6 China Crop Breeding Chip Production (2021-2032)
- 1.4 Market Drivers, Restraints and Trends
 - 1.4.1 Crop Breeding Chip Market Drivers
 - 1.4.2 Factors Affecting Demand
 - 1.4.3 Crop Breeding Chip Major Market Trends

2 DEMAND SUMMARY

- 2.1 World Crop Breeding Chip Demand (2021-2032)
- 2.2 World Crop Breeding Chip Consumption by Region
 - 2.2.1 World Crop Breeding Chip Consumption by Region (2021-2026)
 - 2.2.2 World Crop Breeding Chip Consumption Forecast by Region (2027-2032)
- 2.3 United States Crop Breeding Chip Consumption (2021-2032)
- 2.4 China Crop Breeding Chip Consumption (2021-2032)
- 2.5 Europe Crop Breeding Chip Consumption (2021-2032)
- 2.6 Japan Crop Breeding Chip Consumption (2021-2032)
- 2.7 South Korea Crop Breeding Chip Consumption (2021-2032)
- 2.8 ASEAN Crop Breeding Chip Consumption (2021-2032)
- 2.9 India Crop Breeding Chip Consumption (2021-2032)

3 WORLD MANUFACTURERS COMPETITIVE ANALYSIS

- 3.1 World Crop Breeding Chip Production Value by Manufacturer (2021-2026)
- 3.2 World Crop Breeding Chip Production by Manufacturer (2021-2026)

3.3 World Crop Breeding Chip Average Price by Manufacturer (2021-2026)

3.4 Crop Breeding Chip Company Evaluation Quadrant

3.5 Industry Rank and Concentration Rate (CR)

3.5.1 Global Crop Breeding Chip Industry Rank of Major Manufacturers

3.5.2 Global Concentration Ratios (CR4) for Crop Breeding Chip in 2025

3.5.3 Global Concentration Ratios (CR8) for Crop Breeding Chip in 2025

3.6 Crop Breeding Chip Market: Overall Company Footprint Analysis

3.6.1 Crop Breeding Chip Market: Region Footprint

3.6.2 Crop Breeding Chip Market: Company Product Type Footprint

3.6.3 Crop Breeding Chip Market: Company Product Application Footprint

3.7 Competitive Environment

3.7.1 Historical Structure of the Industry

3.7.2 Barriers of Market Entry

3.7.3 Factors of Competition

3.8 New Entrant and Capacity Expansion Plans

3.9 Mergers, Acquisition, Agreements, and Collaborations

4 UNITED STATES VS CHINA VS REST OF THE WORLD

4.1 United States VS China: Crop Breeding Chip Production Value Comparison

4.1.1 United States VS China: Crop Breeding Chip Production Value Comparison (2021 & 2025 & 2032)

4.1.2 United States VS China: Crop Breeding Chip Production Value Market Share Comparison (2021 & 2025 & 2032)

4.2 United States VS China: Crop Breeding Chip Production Comparison

4.2.1 United States VS China: Crop Breeding Chip Production Comparison (2021 & 2025 & 2032)

4.2.2 United States VS China: Crop Breeding Chip Production Market Share Comparison (2021 & 2025 & 2032)

4.3 United States VS China: Crop Breeding Chip Consumption Comparison

4.3.1 United States VS China: Crop Breeding Chip Consumption Comparison (2021 & 2025 & 2032)

4.3.2 United States VS China: Crop Breeding Chip Consumption Market Share Comparison (2021 & 2025 & 2032)

4.4 United States Based Crop Breeding Chip Manufacturers and Market Share, 2021-2026

4.4.1 United States Based Crop Breeding Chip Manufacturers, Headquarters and Production Site (States, Country)

4.4.2 United States Based Manufacturers Crop Breeding Chip Production Value

(2021-2026)

4.4.3 United States Based Manufacturers Crop Breeding Chip Production (2021-2026)

4.5 China Based Crop Breeding Chip Manufacturers and Market Share

4.5.1 China Based Crop Breeding Chip Manufacturers, Headquarters and Production Site (Province, Country)

4.5.2 China Based Manufacturers Crop Breeding Chip Production Value (2021-2026)

4.5.3 China Based Manufacturers Crop Breeding Chip Production (2021-2026)

4.6 Rest of World Based Crop Breeding Chip Manufacturers and Market Share, 2021-2026

4.6.1 Rest of World Based Crop Breeding Chip Manufacturers, Headquarters and Production Site (State, Country)

4.6.2 Rest of World Based Manufacturers Crop Breeding Chip Production Value (2021-2026)

4.6.3 Rest of World Based Manufacturers Crop Breeding Chip Production (2021-2026)

5 MARKET ANALYSIS BY TYPE

5.1 World Crop Breeding Chip Market Size Overview by Type: 2021 VS 2025 VS 2032

5.2 Segment Introduction by Type

5.2.1 Solid-phase Chip

5.2.2 Liquid-phase Chip

5.3 Market Segment by Type

5.3.1 World Crop Breeding Chip Production by Type (2021-2032)

5.3.2 World Crop Breeding Chip Production Value by Type (2021-2032)

5.3.3 World Crop Breeding Chip Average Price by Type (2021-2032)

6 MARKET ANALYSIS BY PRODUCT DESIGN

6.1 World Crop Breeding Chip Market Size Overview by Product Design: 2021 VS 2025 VS 2032

6.2 Segment Introduction by Product Design

6.2.1 Semi-custom Chips

6.2.2 Fully Custom Chips

6.3 Market Segment by Product Design

6.3.1 World Crop Breeding Chip Production by Product Design (2021-2032)

6.3.2 World Crop Breeding Chip Production Value by Product Design (2021-2032)

6.3.3 World Crop Breeding Chip Average Price by Product Design (2021-2032)

7 MARKET ANALYSIS BY MARKER DENSITY

7.1 World Crop Breeding Chip Market Size Overview by Marker Density: 2021 VS 2025 VS 2032

7.2 Segment Introduction by Marker Density

7.2.1 Low-density Crop Breeding Chips

7.2.2 Medium-density Crop Breeding Chips

7.2.3 High-density Crop Breeding Chips

7.3 Market Segment by Marker Density

7.3.1 World Crop Breeding Chip Production by Marker Density (2021-2032)

7.3.2 World Crop Breeding Chip Production Value by Marker Density (2021-2032)

7.3.3 World Crop Breeding Chip Average Price by Marker Density (2021-2032)

8 MARKET ANALYSIS BY APPLICATION

8.1 World Crop Breeding Chip Market Size Overview by Application: 2021 VS 2025 VS 2032

8.2 Segment Introduction by Application

8.2.1 Seed Companies

8.2.2 Research Institutes and Universities

8.2.3 Agricultural Biotechnology Companies

8.2.4 Breeding Service Providers

8.2.5 Others

8.3 Market Segment by Application

8.3.1 World Crop Breeding Chip Production by Application (2021-2032)

8.3.2 World Crop Breeding Chip Production Value by Application (2021-2032)

8.3.3 World Crop Breeding Chip Average Price by Application (2021-2032)

9 COMPANY PROFILES

9.1 Thermo Fisher Scientific

9.1.1 Thermo Fisher Scientific Details

9.1.2 Thermo Fisher Scientific Major Business

9.1.3 Thermo Fisher Scientific Crop Breeding Chip Product and Services

9.1.4 Thermo Fisher Scientific Crop Breeding Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)

9.1.5 Thermo Fisher Scientific Recent Developments/Updates

9.1.6 Thermo Fisher Scientific Competitive Strengths & Weaknesses

9.2 Agilent

9.2.1 Agilent Details

- 9.2.2 Agilent Major Business
- 9.2.3 Agilent Crop Breeding Chip Product and Services
- 9.2.4 Agilent Crop Breeding Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
- 9.2.5 Agilent Recent Developments/Updates
- 9.2.6 Agilent Competitive Strengths & Weaknesses
- 9.3 Illumina
 - 9.3.1 Illumina Details
 - 9.3.2 Illumina Major Business
 - 9.3.3 Illumina Crop Breeding Chip Product and Services
 - 9.3.4 Illumina Crop Breeding Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.3.5 Illumina Recent Developments/Updates
 - 9.3.6 Illumina Competitive Strengths & Weaknesses
- 9.4 ?nsect
 - 9.4.1 ?nsect Details
 - 9.4.2 ?nsect Major Business
 - 9.4.3 ?nsect Crop Breeding Chip Product and Services
 - 9.4.4 ?nsect Crop Breeding Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.4.5 ?nsect Recent Developments/Updates
 - 9.4.6 ?nsect Competitive Strengths & Weaknesses
- 9.5 Lasso Biochip Technology
 - 9.5.1 Lasso Biochip Technology Details
 - 9.5.2 Lasso Biochip Technology Major Business
 - 9.5.3 Lasso Biochip Technology Crop Breeding Chip Product and Services
 - 9.5.4 Lasso Biochip Technology Crop Breeding Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.5.5 Lasso Biochip Technology Recent Developments/Updates
 - 9.5.6 Lasso Biochip Technology Competitive Strengths & Weaknesses
- 9.6 GreenFaFa
 - 9.6.1 GreenFaFa Details
 - 9.6.2 GreenFaFa Major Business
 - 9.6.3 GreenFaFa Crop Breeding Chip Product and Services
 - 9.6.4 GreenFaFa Crop Breeding Chip Production, Price, Value, Gross Margin and Market Share (2021-2026)
 - 9.6.5 GreenFaFa Recent Developments/Updates
 - 9.6.6 GreenFaFa Competitive Strengths & Weaknesses

10 INDUSTRY CHAIN ANALYSIS

- 10.1 Crop Breeding Chip Industry Chain
- 10.2 Crop Breeding Chip Upstream Analysis
 - 10.2.1 Crop Breeding Chip Core Raw Materials
 - 10.2.2 Main Manufacturers of Crop Breeding Chip Core Raw Materials
- 10.3 Midstream Analysis
- 10.4 Downstream Analysis
- 10.5 Crop Breeding Chip Production Mode
- 10.6 Crop Breeding Chip Procurement Model
- 10.7 Crop Breeding Chip Industry Sales Model and Sales Channels
 - 10.7.1 Crop Breeding Chip Sales Model
 - 10.7.2 Crop Breeding Chip Typical Distributors

11 RESEARCH FINDINGS AND CONCLUSION

12 APPENDIX

- 12.1 Methodology
- 12.2 Research Process and Data Source
- 12.3 Disclaimer

List Of Tables

LIST OF TABLES

- Table 1. World Crop Breeding Chip Production Value by Region (2021, 2025 and 2032) & (USD Million)
- Table 2. World Crop Breeding Chip Production Value by Region (2021-2026) & (USD Million)
- Table 3. World Crop Breeding Chip Production Value by Region (2027-2032) & (USD Million)
- Table 4. World Crop Breeding Chip Production Value Market Share by Region (2021-2026)
- Table 5. World Crop Breeding Chip Production Value Market Share by Region (2027-2032)
- Table 6. World Crop Breeding Chip Production by Region (2021-2026) & (K Pcs)
- Table 7. World Crop Breeding Chip Production by Region (2027-2032) & (K Pcs)
- Table 8. World Crop Breeding Chip Production Market Share by Region (2021-2026)
- Table 9. World Crop Breeding Chip Production Market Share by Region (2027-2032)
- Table 10. World Crop Breeding Chip Average Price by Region (2021-2026) & (US\$/Pc)
- Table 11. World Crop Breeding Chip Average Price by Region (2027-2032) & (US\$/Pc)
- Table 12. Crop Breeding Chip Major Market Trends
- Table 13. World Crop Breeding Chip Consumption Growth Rate Forecast by Region (2021 & 2025 & 2032) & (K Pcs)
- Table 14. World Crop Breeding Chip Consumption by Region (2021-2026) & (K Pcs)
- Table 15. World Crop Breeding Chip Consumption Forecast by Region (2027-2032) & (K Pcs)
- Table 16. World Crop Breeding Chip Production Value by Manufacturer (2021-2026) & (USD Million)
- Table 17. Production Value Market Share of Key Crop Breeding Chip Producers in 2025
- Table 18. World Crop Breeding Chip Production by Manufacturer (2021-2026) & (K Pcs)
- Table 19. Production Market Share of Key Crop Breeding Chip Producers in 2025
- Table 20. World Crop Breeding Chip Average Price by Manufacturer (2021-2026) & (US\$/Pc)
- Table 21. Global Crop Breeding Chip Company Evaluation Quadrant
- Table 22. World Crop Breeding Chip Industry Rank of Major Manufacturers, Based on Production Value in 2025
- Table 23. Head Office and Crop Breeding Chip Production Site of Key Manufacturer
- Table 24. Crop Breeding Chip Market: Company Product Type Footprint
- Table 25. Crop Breeding Chip Market: Company Product Application Footprint

Table 26. Crop Breeding Chip Competitive Factors
Table 27. Crop Breeding Chip New Entrant and Capacity Expansion Plans
Table 28. Crop Breeding Chip Mergers & Acquisitions Activity
Table 29. United States VS China Crop Breeding Chip Production Value Comparison, (2021 & 2025 & 2032) & (USD Million)
Table 30. United States VS China Crop Breeding Chip Production Comparison, (2021 & 2025 & 2032) & (K Pcs)
Table 31. United States VS China Crop Breeding Chip Consumption Comparison, (2021 & 2025 & 2032) & (K Pcs)
Table 32. United States Based Crop Breeding Chip Manufacturers, Headquarters and Production Site (States, Country)
Table 33. United States Based Manufacturers Crop Breeding Chip Production Value, (2021-2026) & (USD Million)
Table 34. United States Based Manufacturers Crop Breeding Chip Production Value Market Share (2021-2026)
Table 35. United States Based Manufacturers Crop Breeding Chip Production (2021-2026) & (K Pcs)
Table 36. United States Based Manufacturers Crop Breeding Chip Production Market Share (2021-2026)
Table 37. China Based Crop Breeding Chip Manufacturers, Headquarters and Production Site (Province, Country)
Table 38. China Based Manufacturers Crop Breeding Chip Production Value, (2021-2026) & (USD Million)
Table 39. China Based Manufacturers Crop Breeding Chip Production Value Market Share (2021-2026)
Table 40. China Based Manufacturers Crop Breeding Chip Production, (2021-2026) & (K Pcs)
Table 41. China Based Manufacturers Crop Breeding Chip Production Market Share (2021-2026)
Table 42. Rest of World Based Crop Breeding Chip Manufacturers, Headquarters and Production Site (State, Country)
Table 43. Rest of World Based Manufacturers Crop Breeding Chip Production Value, (2021-2026) & (USD Million)
Table 44. Rest of World Based Manufacturers Crop Breeding Chip Production Value Market Share (2021-2026)
Table 45. Rest of World Based Manufacturers Crop Breeding Chip Production, (2021-2026) & (K Pcs)
Table 46. Rest of World Based Manufacturers Crop Breeding Chip Production Market Share (2021-2026)

Table 47. World Crop Breeding Chip Production Value by Type, (USD Million), 2021 & 2025 & 2032

Table 48. World Crop Breeding Chip Production by Type (2021-2026) & (K Pcs)

Table 49. World Crop Breeding Chip Production by Type (2027-2032) & (K Pcs)

Table 50. World Crop Breeding Chip Production Value by Type (2021-2026) & (USD Million)

Table 51. World Crop Breeding Chip Production Value by Type (2027-2032) & (USD Million)

Table 52. World Crop Breeding Chip Average Price by Type (2021-2026) & (US\$/Pc)

Table 53. World Crop Breeding Chip Average Price by Type (2027-2032) & (US\$/Pc)

Table 54. World Crop Breeding Chip Production Value by Product Design, (USD Million), 2021 & 2025 & 2032

Table 55. World Crop Breeding Chip Production by Product Design (2021-2026) & (K Pcs)

Table 56. World Crop Breeding Chip Production by Product Design (2027-2032) & (K Pcs)

Table 57. World Crop Breeding Chip Production Value by Product Design (2021-2026) & (USD Million)

Table 58. World Crop Breeding Chip Production Value by Product Design (2027-2032) & (USD Million)

Table 59. World Crop Breeding Chip Average Price by Product Design (2021-2026) & (US\$/Pc)

Table 60. World Crop Breeding Chip Average Price by Product Design (2027-2032) & (US\$/Pc)

Table 61. World Crop Breeding Chip Production Value by Marker Density, (USD Million), 2021 & 2025 & 2032

Table 62. World Crop Breeding Chip Production by Marker Density (2021-2026) & (K Pcs)

Table 63. World Crop Breeding Chip Production by Marker Density (2027-2032) & (K Pcs)

Table 64. World Crop Breeding Chip Production Value by Marker Density (2021-2026) & (USD Million)

Table 65. World Crop Breeding Chip Production Value by Marker Density (2027-2032) & (USD Million)

Table 66. World Crop Breeding Chip Average Price by Marker Density (2021-2026) & (US\$/Pc)

Table 67. World Crop Breeding Chip Average Price by Marker Density (2027-2032) & (US\$/Pc)

Table 68. World Crop Breeding Chip Production Value by Application, (USD Million),

2021 & 2025 & 2032

Table 69. World Crop Breeding Chip Production by Application (2021-2026) & (K Pcs)

Table 70. World Crop Breeding Chip Production by Application (2027-2032) & (K Pcs)

Table 71. World Crop Breeding Chip Production Value by Application (2021-2026) & (USD Million)

Table 72. World Crop Breeding Chip Production Value by Application (2027-2032) & (USD Million)

Table 73. World Crop Breeding Chip Average Price by Application (2021-2026) & (US\$/Pc)

Table 74. World Crop Breeding Chip Average Price by Application (2027-2032) & (US\$/Pc)

Table 75. Thermo Fisher Scientific Basic Information, Manufacturing Base and Competitors

Table 76. Thermo Fisher Scientific Major Business

Table 77. Thermo Fisher Scientific Crop Breeding Chip Product and Services

Table 78. Thermo Fisher Scientific Crop Breeding Chip Production (K Pcs), Price (US\$/Pc), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 79. Thermo Fisher Scientific Recent Developments/Updates

Table 80. Thermo Fisher Scientific Competitive Strengths & Weaknesses

Table 81. Agilent Basic Information, Manufacturing Base and Competitors

Table 82. Agilent Major Business

Table 83. Agilent Crop Breeding Chip Product and Services

Table 84. Agilent Crop Breeding Chip Production (K Pcs), Price (US\$/Pc), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 85. Agilent Recent Developments/Updates

Table 86. Agilent Competitive Strengths & Weaknesses

Table 87. Illumina Basic Information, Manufacturing Base and Competitors

Table 88. Illumina Major Business

Table 89. Illumina Crop Breeding Chip Product and Services

Table 90. Illumina Crop Breeding Chip Production (K Pcs), Price (US\$/Pc), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 91. Illumina Recent Developments/Updates

Table 92. Illumina Competitive Strengths & Weaknesses

Table 93. ?nsect Basic Information, Manufacturing Base and Competitors

Table 94. ?nsect Major Business

Table 95. ?nsect Crop Breeding Chip Product and Services

Table 96. ?nsect Crop Breeding Chip Production (K Pcs), Price (US\$/Pc), Production Value (USD Million), Gross Margin and Market Share (2021-2026)

Table 97. ?nsect Recent Developments/Updates

Table 98. Insect Competitive Strengths & Weaknesses
Table 99. Lasso Biochip Technology Basic Information, Manufacturing Base and Competitors
Table 100. Lasso Biochip Technology Major Business
Table 101. Lasso Biochip Technology Crop Breeding Chip Product and Services
Table 102. Lasso Biochip Technology Crop Breeding Chip Production (K Pcs), Price (US\$/Pc), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 103. Lasso Biochip Technology Recent Developments/Updates
Table 104. Lasso Biochip Technology Competitive Strengths & Weaknesses
Table 105. GreenFaFa Basic Information, Manufacturing Base and Competitors
Table 106. GreenFaFa Major Business
Table 107. GreenFaFa Crop Breeding Chip Product and Services
Table 108. GreenFaFa Crop Breeding Chip Production (K Pcs), Price (US\$/Pc), Production Value (USD Million), Gross Margin and Market Share (2021-2026)
Table 109. GreenFaFa Recent Developments/Updates
Table 110. GreenFaFa Competitive Strengths & Weaknesses
Table 111. Global Key Players of Crop Breeding Chip Upstream (Raw Materials)
Table 112. Global Crop Breeding Chip Typical Customers
Table 113. Crop Breeding Chip Typical Distributors

List Of Figures

LIST OF FIGURES

Figure 1. Crop Breeding Chip Picture

Figure 2. World Crop Breeding Chip Production Value: 2021 & 2025 & 2032, (USD Million)

Figure 3. World Crop Breeding Chip Production Value and Forecast (2021-2032) & (USD Million)

Figure 4. World Crop Breeding Chip Production (2021-2032) & (K Pcs)

Figure 5. World Crop Breeding Chip Average Price (2021-2032) & (US\$/Pc)

Figure 6. World Crop Breeding Chip Production Value Market Share by Region (2021-2032)

Figure 7. World Crop Breeding Chip Production Market Share by Region (2021-2032)

Figure 8. North America Crop Breeding Chip Production (2021-2032) & (K Pcs)

Figure 9. Europe Crop Breeding Chip Production (2021-2032) & (K Pcs)

Figure 10. China Crop Breeding Chip Production (2021-2032) & (K Pcs)

Figure 11. Crop Breeding Chip Market Drivers

Figure 12. Factors Affecting Demand

Figure 13. World Crop Breeding Chip Consumption (2021-2032) & (K Pcs)

Figure 14. World Crop Breeding Chip Consumption Market Share by Region (2021-2032)

Figure 15. United States Crop Breeding Chip Consumption (2021-2032) & (K Pcs)

Figure 16. China Crop Breeding Chip Consumption (2021-2032) & (K Pcs)

Figure 17. Europe Crop Breeding Chip Consumption (2021-2032) & (K Pcs)

Figure 18. Japan Crop Breeding Chip Consumption (2021-2032) & (K Pcs)

Figure 19. South Korea Crop Breeding Chip Consumption (2021-2032) & (K Pcs)

Figure 20. ASEAN Crop Breeding Chip Consumption (2021-2032) & (K Pcs)

Figure 21. India Crop Breeding Chip Consumption (2021-2032) & (K Pcs)

Figure 22. Producer Shipments of Crop Breeding Chip by Manufacturer Revenue (\$MM) and Market Share (%): 2025

Figure 23. Global Four-firm Concentration Ratios (CR4) for Crop Breeding Chip Markets in 2025

Figure 24. Global Four-firm Concentration Ratios (CR8) for Crop Breeding Chip Markets in 2025

Figure 25. United States VS China: Crop Breeding Chip Production Value Market Share Comparison (2021 & 2025 & 2032)

Figure 26. United States VS China: Crop Breeding Chip Production Market Share Comparison (2021 & 2025 & 2032)

Figure 27. United States VS China: Crop Breeding Chip Consumption Market Share Comparison (2021 & 2025 & 2032)

Figure 28. United States Based Manufacturers Crop Breeding Chip Production Market Share 2025

Figure 29. China Based Manufacturers Crop Breeding Chip Production Market Share 2025

Figure 30. Rest of World Based Manufacturers Crop Breeding Chip Production Market Share 2025

Figure 31. World Crop Breeding Chip Production Value by Type, (USD Million), 2021 & 2025 & 2032

Figure 32. World Crop Breeding Chip Production Value Market Share by Type in 2025

Figure 33. Solid-phase Chip

Figure 34. Liquid-phase Chip

Figure 35. World Crop Breeding Chip Production Market Share by Type (2021-2032)

Figure 36. World Crop Breeding Chip Production Value Market Share by Type (2021-2032)

Figure 37. World Crop Breeding Chip Average Price by Type (2021-2032) & (US\$/Pc)

Figure 38. World Crop Breeding Chip Production Value by Product Design, (USD Million), 2021 & 2025 & 2032

Figure 39. World Crop Breeding Chip Production Value Market Share by Product Design in 2025

Figure 40. Semi-custom Chips

Figure 41. Fully Custom Chips

Figure 42. World Crop Breeding Chip Production Market Share by Product Design (2021-2032)

Figure 43. World Crop Breeding Chip Production Value Market Share by Product Design (2021-2032)

Figure 44. World Crop Breeding Chip Average Price by Product Design (2021-2032) & (US\$/Pc)

Figure 45. World Crop Breeding Chip Production Value by Marker Density, (USD Million), 2021 & 2025 & 2032

Figure 46. World Crop Breeding Chip Production Value Market Share by Marker Density in 2025

Figure 47. Low-density Crop Breeding Chips

Figure 48. Medium-density Crop Breeding Chips

Figure 49. High-density Crop Breeding Chips

Figure 50. World Crop Breeding Chip Production Market Share by Marker Density (2021-2032)

Figure 51. World Crop Breeding Chip Production Value Market Share by Marker Density

(2021-2032)

Figure 52. World Crop Breeding Chip Average Price by Marker Density (2021-2032) & (US\$/Pc)

Figure 53. World Crop Breeding Chip Production Value by Application, (USD Million), 2021 & 2025 & 2032

Figure 54. World Crop Breeding Chip Production Value Market Share by Application in 2025

Figure 55. Seed Companies

Figure 56. Research Institutes and Universities

Figure 57. Agricultural Biotechnology Companies

Figure 58. Breeding Service Providers

Figure 59. Others

Figure 60. World Crop Breeding Chip Production Market Share by Application (2021-2032)

Figure 61. World Crop Breeding Chip Production Value Market Share by Application (2021-2032)

Figure 62. World Crop Breeding Chip Average Price by Application (2021-2032) & (US\$/Pc)

Figure 63. Crop Breeding Chip Industry Chain

Figure 64. Crop Breeding Chip Procurement Model

Figure 65. Crop Breeding Chip Sales Model

Figure 66. Crop Breeding Chip Sales Channels, Direct Sales, and Distribution

Figure 67. Methodology

Figure 68. Research Process and Data Source

I would like to order

Product name: Global Crop Breeding Chip Supply, Demand and Key Producers, 2026-2032

Product link: <https://marketpublishers.com/r/G6A128F2C58FEN.html>

Price: US\$ 4,480.00 (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/G6A128F2C58FEN.html>