

Global Weed Control Film Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Weed Control Film market size was valued at US\$ 4754 million in 2025 and is forecast to a readjusted size of US\$ 9027 million by 2032 with a CAGR of 6.8% during review period.

A Weed Control Film is a type of agricultural film designed to suppress weed growth and enhance soil conditions for improved crop production. It is typically manufactured from polymeric materials such as polyethylene (PE) or polypropylene (PP) using processes like extrusion, blown film, or cast film. The resulting film is flexible and durable, with mechanical strength, tensile resistance, and UV stability tailored for outdoor agricultural use. The fundamental function of weed control film is to cover the soil surface to block sunlight, thereby inhibiting weed germination and growth while conserving soil moisture, regulating soil temperature, and facilitating moisture penetration. Depending on material composition and intended use, weed control films can be categorized into conventional black polyolefin films, light-transmitting films, and biodegradable films, with biodegradable options gaining traction in sustainable agriculture. These films are widely used in field crops, orchards, vegetable production, horticultural landscaping, and other planting systems to increase yields and reduce labor costs associated with weeding. Key performance parameters include tensile strength, tear resistance, thickness, weather resistance, and UV stability, necessitating strict quality control during manufacturing to ensure field-use reliability. Moreover, formulations and film thicknesses may be adapted to local climate and crop requirements. As an essential agricultural engineering material, weed control film plays a vital role in modern agricultural practices, supporting mechanization and environmentally friendly farming techniques.

The Weed Control Film market presents substantial development opportunities driven by the modernization of global agriculture, rising food security demands, and the promotion of sustainable farming practices. As the global population grows and arable land remains limited, producers increasingly rely on mulch and weed control films to suppress weed competition, conserve water, and enhance soil conditions. The use of weed control films is expanding in horticulture, greenhouse vegetable production, and orchards, especially in high-value crops. Biodegradable films have gained traction in Europe, Japan, and parts of China, accelerating market growth. Technological innovations such as UV-resistant films, light-transmitting films, and eco-friendly degradable films create new value propositions. Manufacturers optimize production processes and offer customized thickness and performance to meet diverse crop and climate requirements, further driving market expansion.

However, the market also faces several challenges and risks. Raw material price volatility, particularly polyethylene and polypropylene, significantly impacts production costs and profit margins. The prevalence of low-quality or non-standard films leads to short lifespan and damage susceptibility, eroding farmer confidence and repeat purchases, complicating market consolidation. Moreover, biodegradable film production is technologically demanding and expensive, limiting rapid adoption in some regions. Environmental regulations impose strict requirements on production, disposal, and degradation standards, with non-compliance presenting regulatory risks. Climate change introduces uncertainty in planting patterns and the usage cycle of weed control films, potentially affecting demand volatility.

Downstream demand trends indicate a shift towards high-performance, customized, and eco-friendly weed control films, driven by smart and controlled-environment agriculture. End users increasingly value durability, breathability, biodegradability, and ease of use. High-value crop producers demand superior film performance, while associated services, guidance, and after-sales support are becoming key competitive factors. In the coming years, expansion of controlled-environment agriculture and supportive green agricultural policies will further increase demand for weed control films, particularly functional variants such as biodegradable, light-transmitting, and colored films, enhancing industry value and technological advancement.

This report is a detailed and comprehensive analysis for global Weed Control Film market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and

product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Weed Control Film market size and forecasts, in consumption value (\$ Million), sales quantity (Sqm), and average selling prices (US\$/Sqm), 2021-2032

Global Weed Control Film market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Sqm), and average selling prices (US\$/Sqm), 2021-2032

Global Weed Control Film market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (Sqm), and average selling prices (US\$/Sqm), 2021-2032

Global Weed Control Film market shares of main players, shipments in revenue (\$ Million), sales quantity (Sqm), and ASP (US\$/Sqm), 2021-2026

The Primary Objectives in This Report Are:

- To determine the size of the total market opportunity of global and key countries

- To assess the growth potential for Weed Control Film

- To forecast future growth in each product and end-use market

- To assess competitive factors affecting the marketplace

This report profiles key players in the global Weed Control Film market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Arrigoni, INTERMAS, Solplast, Tenax, Daios Plastics, Hyma Plastic, DERFLEX, Qingdao Aolong Plastic, Honrel Agriculture, FilmOrganic, etc.

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

Market Segmentation

Weed Control Film market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

PP

PE

EVA

Others

Market segment by Manufacturing Process

Blown Film

Cast Film

Extrusion Coating Film

Laminated Film

Market segment by Physical Structure

Monolayer Film

Multilayer Film

Perforated Film

Textured Film

Market segment by Thickness Specification

Ultra?Thin Film (

Contents

1 MARKET OVERVIEW

1.1 Product Overview and Scope

1.2 Market Estimation Caveats and Base Year

1.3 Market Analysis by Type

1.3.1 Overview: Global Weed Control Film Consumption Value by Type: 2021 Versus 2025 Versus 2032

1.3.2 PP

1.3.3 PE

1.3.4 EVA

1.3.5 Others

1.4 Market Analysis by Manufacturing Process

1.4.1 Overview: Global Weed Control Film Consumption Value by Manufacturing Process: 2021 Versus 2025 Versus 2032

1.4.2 Blown Film

1.4.3 Cast Film

1.4.4 Extrusion Coating Film

1.4.5 Laminated Film

1.5 Market Analysis by Physical Structure

1.5.1 Overview: Global Weed Control Film Consumption Value by Physical Structure: 2021 Versus 2025 Versus 2032

1.5.2 Monolayer Film

1.5.3 Multilayer Film

1.5.4 Perforated Film

1.5.5 Textured Film

1.6 Market Analysis by Thickness Specification

1.6.1 Overview: Global Weed Control Film Consumption Value by Thickness Specification: 2021 Versus 2025 Versus 2032

1.6.2 Ultra-Thin Film (

List Of Tables

LIST OF TABLES

Table 1. Global Weed Control Film Consumption Value by Type, (USD Million), 2021 & 2025 & 2032

Table 2. Global Weed Control Film Consumption Value by Manufacturing Process, (USD Million), 2021 & 2025 & 2032

Table 3. Global Weed Control Film Consumption Value by Physical Structure, (USD Million), 2021 & 2025 & 2032

Table 4. Global Weed Control Film Consumption Value by Thickness Specification, (USD Million), 2021 & 2025 & 2032

Table 5. Global Weed Control Film Consumption Value by Application, (USD Million), 2021 & 2025 & 2032

Table 6. Arrigoni Basic Information, Manufacturing Base and Competitors

Table 7. Arrigoni Major Business

Table 8. Arrigoni Weed Control Film Product and Services

Table 9. Arrigoni Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 10. Arrigoni Recent Developments/Updates

Table 11. INTERMAS Basic Information, Manufacturing Base and Competitors

Table 12. INTERMAS Major Business

Table 13. INTERMAS Weed Control Film Product and Services

Table 14. INTERMAS Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 15. INTERMAS Recent Developments/Updates

Table 16. Solplast Basic Information, Manufacturing Base and Competitors

Table 17. Solplast Major Business

Table 18. Solplast Weed Control Film Product and Services

Table 19. Solplast Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 20. Solplast Recent Developments/Updates

Table 21. Tenax Basic Information, Manufacturing Base and Competitors

Table 22. Tenax Major Business

Table 23. Tenax Weed Control Film Product and Services

Table 24. Tenax Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 25. Tenax Recent Developments/Updates

Table 26. Daios Plastics Basic Information, Manufacturing Base and Competitors

Table 27. Daios Plastics Major Business

Table 28. Daios Plastics Weed Control Film Product and Services

Table 29. Daios Plastics Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 30. Daios Plastics Recent Developments/Updates

Table 31. Hyma Plastic Basic Information, Manufacturing Base and Competitors

Table 32. Hyma Plastic Major Business

Table 33. Hyma Plastic Weed Control Film Product and Services

Table 34. Hyma Plastic Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 35. Hyma Plastic Recent Developments/Updates

Table 36. DERFLEX Basic Information, Manufacturing Base and Competitors

Table 37. DERFLEX Major Business

Table 38. DERFLEX Weed Control Film Product and Services

Table 39. DERFLEX Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 40. DERFLEX Recent Developments/Updates

Table 41. Qingdao Aolong Plastic Basic Information, Manufacturing Base and Competitors

Table 42. Qingdao Aolong Plastic Major Business

Table 43. Qingdao Aolong Plastic Weed Control Film Product and Services

Table 44. Qingdao Aolong Plastic Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 45. Qingdao Aolong Plastic Recent Developments/Updates

Table 46. Honrel Agriculture Basic Information, Manufacturing Base and Competitors

Table 47. Honrel Agriculture Major Business

Table 48. Honrel Agriculture Weed Control Film Product and Services

Table 49. Honrel Agriculture Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 50. Honrel Agriculture Recent Developments/Updates

Table 51. FilmOrganic Basic Information, Manufacturing Base and Competitors

Table 52. FilmOrganic Major Business

Table 53. FilmOrganic Weed Control Film Product and Services

Table 54. FilmOrganic Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 55. FilmOrganic Recent Developments/Updates

Table 56. MulchFilms (Sigma Plastics Group) Basic Information, Manufacturing Base and Competitors

Table 57. MulchFilms (Sigma Plastics Group) Major Business

Table 58. MulchFilms (Sigma Plastics Group) Weed Control Film Product and Services

Table 59. MulchFilms (Sigma Plastics Group) Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 60. MulchFilms (Sigma Plastics Group) Recent Developments/Updates

Table 61. Helio Agricultural Technology Basic Information, Manufacturing Base and Competitors

Table 62. Helio Agricultural Technology Major Business

Table 63. Helio Agricultural Technology Weed Control Film Product and Services

Table 64. Helio Agricultural Technology Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 65. Helio Agricultural Technology Recent Developments/Updates

Table 66. Qingdao Dayao Agriculture (Mount Agri) Basic Information, Manufacturing Base and Competitors

Table 67. Qingdao Dayao Agriculture (Mount Agri) Major Business

Table 68. Qingdao Dayao Agriculture (Mount Agri) Weed Control Film Product and Services

Table 69. Qingdao Dayao Agriculture (Mount Agri) Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 70. Qingdao Dayao Agriculture (Mount Agri) Recent Developments/Updates

Table 71. Transcontinental (TC Transcontinental) Basic Information, Manufacturing Base and Competitors

Table 72. Transcontinental (TC Transcontinental) Major Business

Table 73. Transcontinental (TC Transcontinental) Weed Control Film Product and Services

Table 74. Transcontinental (TC Transcontinental) Weed Control Film Sales Quantity (Sqm), Average Price (US\$/Sqm), Revenue (USD Million), Gross Margin and Market Share (2021-2026)

Table 75. Transcontinental (TC Transcontinental) Recent Developments/Updates

Table 76. Global Weed Control Film Sales Quantity by Manufacturer (2021-2026) & (Sqm)

Table 77. Global Weed Control Film Revenue by Manufacturer (2021-2026) & (USD Million)

Table 78. Global Weed Control Film Average Price by Manufacturer (2021-2026) & (US\$/Sqm)

Table 79. Market Position of Manufacturers in Weed Control Film, (Tier 1, Tier 2, and Tier 3), Based on Revenue in 2025

Table 80. Head Office and Weed Control Film Production Site of Key Manufacturer
Table 81. Weed Control Film Market: Company Product Type Footprint
Table 82. Weed Control Film Market: Company Product Application Footprint
Table 83. Weed Control Film New Market Entrants and Barriers to Market Entry
Table 84. Weed Control Film Mergers, Acquisition, Agreements, and Collaborations
Table 85. Global Weed Control Film Consumption Value by Region (2021-2025-2032) & (USD Million) & CAGR
Table 86. Global Weed Control Film Sales Quantity by Region (2021-2026) & (Sqm)
Table 87. Global Weed Control Film Sales Quantity by Region (2027-2032) & (Sqm)
Table 88. Global Weed Control Film Consumption Value by Region (2021-2026) & (USD Million)
Table 89. Global Weed Control Film Consumption Value by Region (2027-2032) & (USD Million)
Table 90. Global Weed Control Film Average Price by Region (2021-2026) & (US\$/Sqm)
Table 91. Global Weed Control Film Average Price by Region (2027-2032) & (US\$/Sqm)
Table 92. Global Weed Control Film Sales Quantity by Type (2021-2026) & (Sqm)
Table 93. Global Weed Control Film Sales Quantity by Type (2027-2032) & (Sqm)
Table 94. Global Weed Control Film Consumption Value by Type (2021-2026) & (USD Million)
Table 95. Global Weed Control Film Consumption Value by Type (2027-2032) & (USD Million)
Table 96. Global Weed Control Film Average Price by Type (2021-2026) & (US\$/Sqm)
Table 97. Global Weed Control Film Average Price by Type (2027-2032) & (US\$/Sqm)
Table 98. Global Weed Control Film Sales Quantity by Application (2021-2026) & (Sqm)
Table 99. Global Weed Control Film Sales Quantity by Application (2027-2032) & (Sqm)
Table 100. Global Weed Control Film Consumption Value by Application (2021-2026) & (USD Million)
Table 101. Global Weed Control Film Consumption Value by Application (2027-2032) & (USD Million)
Table 102. Global Weed Control Film Average Price by Application (2021-2026) & (US\$/Sqm)
Table 103. Global Weed Control Film Average Price by Application (2027-2032) & (US\$/Sqm)
Table 104. North America Weed Control Film Sales Quantity by Type (2021-2026) & (Sqm)
Table 105. North America Weed Control Film Sales Quantity by Type (2027-2032) & (Sqm)

Table 106. North America Weed Control Film Sales Quantity by Application (2021-2026) & (Sqm)

Table 107. North America Weed Control Film Sales Quantity by Application (2027-2032) & (Sqm)

Table 108. North America Weed Control Film Sales Quantity by Country (2021-2026) & (Sqm)

Table 109. North America Weed Control Film Sales Quantity by Country (2027-2032) & (Sqm)

Table 110. North America Weed Control Film Consumption Value by Country (2021-2026) & (USD Million)

Table 111. North America Weed Control Film Consumption Value by Country (2027-2032) & (USD Million)

Table 112. Europe Weed Control Film Sales Quantity by Type (2021-2026) & (Sqm)

Table 113. Europe Weed Control Film Sales Quantity by Type (2027-2032) & (Sqm)

Table 114. Europe Weed Control Film Sales Quantity by Application (2021-2026) & (Sqm)

Table 115. Europe Weed Control Film Sales Quantity by Application (2027-2032) & (Sqm)

Table 116. Europe Weed Control Film Sales Quantity by Country (2021-2026) & (Sqm)

Table 117. Europe Weed Control Film Sales Quantity by Country (2027-2032) & (Sqm)

Table 118. Europe Weed Control Film Consumption Value by Country (2021-2026) & (USD Million)

Table 119. Europe Weed Control Film Consumption Value by Country (2027-2032) & (USD Million)

Table 120. Asia-Pacific Weed Control Film Sales Quantity by Type (2021-2026) & (Sqm)

Table 121. Asia-Pacific Weed Control Film Sales Quantity by Type (2027-2032) & (Sqm)

Table 122. Asia-Pacific Weed Control Film Sales Quantity by Application (2021-2026) & (Sqm)

Table 123. Asia-Pacific Weed Control Film Sales Quantity by Application (2027-2032) & (Sqm)

Table 124. Asia-Pacific Weed Control Film Sales Quantity by Region (2021-2026) & (Sqm)

Table 125. Asia-Pacific Weed Control Film Sales Quantity by Region (2027-2032) & (Sqm)

Table 126. Asia-Pacific Weed Control Film Consumption Value by Region (2021-2026) & (USD Million)

Table 127. Asia-Pacific Weed Control Film Consumption Value by Region (2027-2032)

& (USD Million)

Table 128. South America Weed Control Film Sales Quantity by Type (2021-2026) & (Sqm)

Table 129. South America Weed Control Film Sales Quantity by Type (2027-2032) & (Sqm)

Table 130. South America Weed Control Film Sales Quantity by Application (2021-2026) & (Sqm)

Table 131. South America Weed Control Film Sales Quantity by Application (2027-2032) & (Sqm)

Table 132. South America Weed Control Film Sales Quantity by Country (2021-2026) & (Sqm)

Table 133. South America Weed Control Film Sales Quantity by Country (2027-2032) & (Sqm)

Table 134. South America Weed Control Film Consumption Value by Country (2021-2026) & (USD Million)

Table 135. South America Weed Control Film Consumption Value by Country (2027-2032) & (USD Million)

Table 136. Middle East & Africa Weed Control Film Sales Quantity by Type (2021-2026) & (Sqm)

Table 137. Middle East & Africa Weed Control Film Sales Quantity by Type (2027-2032) & (Sqm)

Table 138. Middle East & Africa Weed Control Film Sales Quantity by Application (2021-2026) & (Sqm)

Table 139. Middle East & Africa Weed Control Film Sales Quantity by Application (2027-2032) & (Sqm)

Table 140. Middle East & Africa Weed Control Film Sales Quantity by Country (2021-2026) & (Sqm)

Table 141. Middle East & Africa Weed Control Film Sales Quantity by Country (2027-2032) & (Sqm)

Table 142. Middle East & Africa Weed Control Film Consumption Value by Country (2021-2026) & (USD Million)

Table 143. Middle East & Africa Weed Control Film Consumption Value by Country (2027-2032) & (USD Million)

Table 144. Weed Control Film Raw Material

Table 145. Key Manufacturers of Weed Control Film Raw Materials

Table 146. Weed Control Film Typical Distributors

Table 147. Weed Control Film Typical Customers

List Of Figures

LIST OF FIGURES

Figure 1. Weed Control Film Picture

Figure 2. Global Weed Control Film Revenue by Type, (USD Million), 2021 & 2025 & 2032

Figure 3. Global Weed Control Film Revenue Market Share by Type in 2025

Figure 4. PP Examples

Figure 5. PE Examples

Figure 6. EVA Examples

Figure 7. Others Examples

Figure 8. Global Weed Control Film Revenue by Manufacturing Process, (USD Million), 2021 & 2025 & 2032

Figure 9. Global Weed Control Film Revenue Market Share by Manufacturing Process in 2025

Figure 10. Blown Film Examples

Figure 11. Cast Film Examples

Figure 12. Extrusion Coating Film Examples

Figure 13. Laminated Film Examples

Figure 14. Global Weed Control Film Revenue by Physical Structure, (USD Million), 2021 & 2025 & 2032

Figure 15. Global Weed Control Film Revenue Market Share by Physical Structure in 2025

Figure 16. Monolayer Film Examples

Figure 17. Multilayer Film Examples

Figure 18. Perforated Film Examples

Figure 19. Textured Film Examples

Figure 20. Global Weed Control Film Revenue by Thickness Specification, (USD Million), 2021 & 2025 & 2032

Figure 21. Global Weed Control Film Revenue Market Share by Thickness Specification in 2025

Figure 22. Ultra?Thin Film (

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