

ANMD-MRS33-326 · Sustainable Packaging Innovations

Mushroom / Mycelium Packaging

A Global Sustainability Due Diligence & Market Research Study

History 2020–2024 · Base Year 2025 · Forecast 2025–2032 · Outlooks 2035 / 2040 / 2050 · Currency US\$

WHY THIS REPORT

Mushroom/mycelium packaging grows protective packaging from fungal mycelium bound to agricultural waste, replacing expanded polystyrene and foams in protective, molded and insulation formats. Agricultural substrate, mycelium cultures, molds, growth chambers and drying combine to produce home-compostable, fully bio-based packaging. The pay-off is measurable: EPS elimination, agricultural-waste valorisation, home-compostability and a striking circular story. This report is a comprehensive, decision-grade study of that market across product type, structure, component, application, end-user, business and deployment model.

SUSTAINABILITY & SDG IMPACT — THE ANMD LENS

The sustainability case is the report's backbone. Beyond EPS substitution, mycelium packaging delivers measurable foam-waste elimination, agricultural-waste valorisation and home-compostability, while regenerative growth strengthens the natural-capital story.

Mapped Sustainable Development Goals:

SDG 2 Zero Hunger	SDG 6 Clean Water	SDG 7 Affordable Energy	SDG 13 Climate Action	SDG 15 Life on Land
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Measurable sustainability outcomes assessed:

- Expanded-polystyrene (EPS) foam-waste elimination
- Agricultural-waste valorisation into protective packaging
- Home-compostability and end-of-life circularity
- Embodied carbon and substrate sourcing as material risks

Framework alignment: Double materiality mapped to GRI, SASB, ISSB, TCFD, TNFD, CSRD and the EU Taxonomy, with greenwashing and SDG-washing screens applied throughout.

WHAT'S INSIDE AT A GLANCE

53 Chapters	9 Report Parts	7 Regions Covered	40+ Country Markets
2025–32 Forecast Horizon	4 Forward Scenarios	25+ Companies Profiled	5 SDGs Mapped

REPORT COVERAGE

Geographic scope: North America, Europe, Asia Pacific, Latin America, Africa, Middle East and Rest of World — with named country intelligence. Near-term value concentrates in North America (United States); Europe (Netherlands, United Kingdom, Germany); Asia Pacific (China, India, Australia), while Latin America, Africa and the Middle East are assessed on their own merits rather than aggregated into Rest of World.

MARKET OVERVIEW

Mycelium packaging is moving from premium niche to scaled protective packaging.

Mycelium packaging is moving from premium niche to scaled protective packaging. Demand is driven by the convergence of EPS-foam bans with brand sustainability and circular-economy goals, supported by maturing mycelium-production capability across North America, Europe and Asia Pacific. The market is read three ways — value, units produced and packaging volume — and forecast under conservative, base, accelerated and disruption scenarios, with every projection resolved to the 2025 base year and each region reported separately rather than folded into Rest of World.

- North America leads commercialisation, anchored by the United States, where licensed mycelium production and brand partnerships drive protective-packaging substitution for EPS.
- Europe is accelerating, with the Netherlands, United Kingdom and Germany advancing mycelium packaging under EPS-foam restrictions and circular-economy policy.
- Asia Pacific is the scale engine, with China, India and Australia combining abundant agricultural substrate with rising protective-packaging and premium-brand demand.
- Product type and substrate segment the value, across protective, molded and insulation mycelium packaging, and agricultural-waste, wood/hemp and mixed-substrate use cases, each with distinct economics.

REGIONAL OUTLOOK

Across the seven reporting regions, the report separates commercialisation leaders from high-growth and emerging markets, profiling named country sub-markets, policy regimes and project pipelines in each. North America and Europe anchor near-term value; Asia Pacific scales on substrate and demand; while Latin America, Africa and the Middle East are assessed on their own merits — for waste valorisation, substitution and circularity — rather than aggregated away.

Region	Stage	Lead Markets & Drivers
North America	Commercialisation leader	United States — licensed mycelium production, brand partnerships, EPS substitution
Europe	Accelerating	Netherlands, United Kingdom, Germany — EPS restrictions, circular-economy policy
Asia Pacific	Scale engine	China, India, Australia — agricultural substrate, protective-packaging demand
Latin America	Emerging	Brazil, Mexico — agricultural-waste sourcing, premium packaging
Africa	Frontier	Kenya, South Africa — agri-waste valorisation, local production
Middle East	Frontier	UAE — premium-brand packaging, sustainability pilots

KEY MARKET DRIVERS & RESTRAINTS

Drivers	Restraints
• EPS-foam bans & protective-packaging substitution • Brand sustainability & premium-circular demand • Agricultural-waste valorisation & local sourcing • Home-compostability & zero-waste appeal • Mycelium-production scale-up & licensing	• Production cost & scale vs EPS • Growth-time & throughput constraints • Performance & moisture-sensitivity limits • Substrate supply & consistency • Consumer & supply-chain familiarity gaps

SEGMENTATION SNAPSHOT

By Product Type	Protective mycelium · molded mycelium forms · mycelium insulation
By Structure	Molded forms · sheets / boards · custom geometries
By Component	Agricultural substrate · mycelium cultures · molds · growth chambers · drying
By Application	Agricultural waste · wood / hemp · mixed substrate
By End User	Brand owners · e-commerce · cosmetics / premium · industrial
By Deployment Scale	Pilot · distributed · commercial-scale

TABLE OF CONTENTS — PARTS & CHAPTERS

The full report is organised into nine parts across 53 chapters, listed below. Detailed sub-headings, country tables and directories are provided in the full report.

Part I — Report Foundation, Discovery and Strategic Intelligence

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- › Chapter 2. Industry Discovery Summary — Mushroom / Mycelium Packaging
- › Chapter 3. Executive Intelligence and Decision Dashboard
- › Chapter 4. Strategic Findings, Materiality and Investment Verdict Preview

Part II — Market Intelligence, Sizing, Forecasting and Segmentation

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- › Chapter 6. Market Dynamics
- › Chapter 7. Global Market Size and Forecast, 2020–2032
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- › Chapter 44. Risk Register, RAG Rating and Anti-Greenwashing Screen
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- › Chapter 53. Reference Annexes

COMPETITIVE & INVESTMENT SNAPSHOT

The competitive field spans mycelium-material pioneers, licensed manufacturers and protective-packaging specialists.

Representative players profiled in the full report:

Ecovative LLC · Magical Mushroom Company Ltd · Grown bio (GROWN bv) · Mycelium Made · Paradise Packaging Co · and 25+ further profiled players across the value chain.

Investment intelligence: venture, infrastructure, growth, development, climate and blended finance, green bonds and sustainability-linked loans — culminating in a bankability assessment and investment readiness verdict.

KEY QUESTIONS THIS REPORT ANSWERS

- ? How large is the global mushroom / mycelium packaging market, and how fast will it grow to 2032?
- ? Which regions, countries and segments offer the strongest risk-adjusted opportunity?
- ? How do the category economics change returns versus incumbent alternatives?
- ? Who leads, and where is the competitive and patent white space?
- ? Is the investment case bankable — and under what conditions?
- ? How does the technology align with the SDGs and emerging disclosure regulation?

WHY ANMD — THE DIFFERENCE

Most market studies stop at units and revenue. This report is built as a sustainability due diligence instrument — fusing market sizing with ESG, SDG, climate, water and natural-capital intelligence and a decision-ready bankability verdict in a single architecture.

- › Triangulated sizing — every market read three ways so value, volume and the report's physical unit reconcile rather than conflict.
- › Region-honest forecasting — Latin America, Africa and the Middle East reported in full, never hidden inside Rest of World, every forecast resolved to the 2025 base year.
- › Integrated evidence base — company, patent and project databases linked to the analysis, with published-filing patents and FTO treated as an indicator, not a legal conclusion.
- › No-fabrication discipline — every estimate carries a data-confidence rating and disclosed sources; gaps are flagged for further diligence, never filled with invented numbers.
- › Anti-greenwashing rigour — SDG-washing and greenwashing screens plus claim-substantiation checks built into the ESG and project analysis.
- › Decision-first structure — 9 Parts and 53 Chapters culminating in stakeholder playbooks and a clear, neutral investment-readiness verdict.

WHO SHOULD BUY THIS REPORT

Investors, manufacturers, developers, agribusiness, utilities, policymakers, lenders, strategic corporate planners and decision-makers.

Access the Full Report

The complete report delivers all 53 chapters in full, with every sub-heading, country table, company and patent directory, forecast model and due diligence checklist.

Purchase at www.anewmarketdynamics.com · Standard & Premium licences · Single-Site (SSL) and Global-Site (GSL) options at checkout.

Want the Complete Detailed Table of Contents?

This prospectus lists the nine parts and 53 chapters. The complete detailed table of contents — every sub-heading, country table, exhibit, company and patent directory and annex — is available on request to registered users. To receive it, register with your official company email at www.anewmarketdynamics.com. The full detailed table of contents will be sent directly to your registered company email address.