

Global Essential Oils and Plant Extract for Livestock Market Size study, by Type (Essential Oils, Plant Extract), Livestock (Cattle, Poultry, Swine), Form, Function and Regional Forecasts 2022-2032

<https://marketpublishers.com/r/G8B5E72FDF5DEN.html>

Date: April 2025

Pages: 285

Price: US\$ 3,750.00 (Single User License)

ID: G8B5E72FDF5DEN

Abstracts

Global Essential Oils and Plant Extract for Livestock Market is valued approximately at USD 2.7 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 6.20% over the forecast period 2024-2032. The rise in demand for natural, residue-free, and functional feed additives is reshaping animal husbandry practices across the globe. Essential oils and plant extracts, with their potent bioactive compounds, are emerging as powerful alternatives to synthetic antibiotics and growth promoters. These natural substances not only support digestive health, immune function, and stress resilience in livestock, but also align with regulatory and consumer-driven shifts toward clean-label and welfare-centric livestock production systems.

Driven by increasing resistance to synthetic antimicrobials and the phasing out of antibiotic growth promoters (AGPs), especially in Europe and parts of Asia, livestock producers are turning to phyto-genic solutions to sustain performance and animal health. Essential oils like thymol, carvacrol, and eugenol, and plant extracts such as saponins and tannins, are showing high efficacy in modulating gut microflora, enhancing nutrient uptake, and reducing pathogenic loads. These compounds are especially effective in monogastric animals like poultry and swine, where gut integrity plays a critical role in productivity and biosecurity.

Innovations in formulation and delivery systems are enabling the controlled release of these phyto-genics within the gastrointestinal tract, thereby improving their bioavailability and functional impact. Manufacturers are investing in microencapsulation, emulsification, and combination blends to extend stability, enhance palatability, and

target species-specific needs. Furthermore, synergistic formulations that combine essential oils with organic acids or enzymes are gaining ground in commercial feed programs, offering multifaceted benefits including oxidative balance, immune modulation, and pathogen inhibition—thus contributing to sustainable animal farming practices.

From a regional perspective, Asia Pacific leads the global market owing to its large and growing livestock population, increasing awareness of feed quality, and progressive reforms in animal health regulations, particularly in China, India, and Southeast Asia. Europe remains at the forefront of phytogenic innovation, backed by stringent regulatory frameworks on antimicrobial usage and a mature functional feed industry. North America is steadily increasing its footprint, fueled by consumer-led demand for antibiotic-free meat and dairy. Meanwhile, Latin America and the Middle East & Africa are gaining momentum as regional governments and global players invest in high-quality, export-driven animal production systems.

Major market player included in this report are:

Kemin Industries, Inc.

Phytobiotics Futterzusatzstoffe GmbH

DuPont de Nemours, Inc.

Biomin GmbH

Cargill, Incorporated

Delacon Biotechnik GmbH

Essential Oils of New Zealand

Synthite Industries Ltd.

Olmix Group

Dostofarm GmbH

Givaudan S.A.

International Flavors & Fragrances Inc.

Novus International, Inc.

Nor-Feed SAS

Trouw Nutrition

The detailed segments and sub-segment of the market are explained below:

By Type

Essential Oils

Plant Extract

By Livestock

Cattle

Poultry

Swine

By Form

Dry

Liquid

By Function

Immunity

Gut Health

Feed Intake Stimulation

Stress Mitigation

By Region:

North America

U.S.

Canada

Europe

UK

Germany

France

Spain

Italy

Rest of Europe

Asia Pacific

China

India

Japan

Australia

South Korea

Rest of Asia Pacific

Latin America

Brazil

Mexico

Rest of Latin America

Middle East & Africa

Saudi Arabia

South Africa

Rest of Middle East & Africa

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

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(USD Billion)

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