

Controlled Release Fertilizers Market Size & Share 2025: Growth Opportunities and Investment Forecast to 2031

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WILMINGTON, DE, UNITED STATES, October 13, 2025 /EINPresswire.com/ -- Allied Market Research has released an extensive report on the global [controlled release fertilizers \(CRFs\) market](#), offering a detailed

examination of market dynamics, segmentation, emerging opportunities, and competitive strategies. The study provides an essential guide for stakeholders, businesses, and new entrants to make informed decisions and drive sustainable growth.

According to the report, the global controlled release fertilizers market valued at \$2.3 billion in 2021 is projected to reach \$4.3 billion by 2031, growing at a CAGR of 6.6% from 2022 to 2031. Utilizing analytical tools such as Porter's Five Forces framework, the report explores key drivers influencing customer behavior and shaping the overall industry landscape.

For more information, please contact:

<https://www.alliedmarketresearch.com/request-sample/A31407>

Market Dynamics:

The rising adoption of controlled and slow-release fertilizers across developing economies is a major factor propelling market growth. These fertilizers provide sustained nutrient availability, minimize leaching, and reduce environmental impact key elements that support sustainable agriculture initiatives worldwide.

Moreover, the increasing demand for organic farming is unlocking new opportunities for CRF manufacturers. Controlled release fertilizers complement organic practices by enhancing



nutrient efficiency and promoting eco-friendly crop production. Supportive government policies, coupled with growing consumer preference for organic produce, further strengthen market expansion.

However, challenges such as high production costs due to advanced coating technologies and limited farmer awareness in certain regions continue to restrain broader adoption.

Emerging Applications of CRFs:-

Controlled release fertilizers are redefining modern agriculture through precision nutrient management and environmental sustainability.

- Cereals and Grains: CRFs ensure nutrient release aligns with critical growth stages, resulting in improved yields and fewer fertilizer applications.
- Precision Farming: These fertilizers support data-driven approaches that optimize nutrient delivery based on crop type, soil health, and growth stage minimizing waste and maximizing efficiency.
- Foliar Applications: Direct spraying of CRFs on leaves enables rapid nutrient uptake, particularly beneficial during early growth stages or in nutrient-deficient soils. This method bypasses soil limitations, promoting uniform growth and crop resilience.

Technological Innovations:

- Ongoing R&D has led to significant advancements in CRF formulations and coatings. Polymer-coated and biodegradable fertilizers are increasingly being developed to meet environmental standards and enhance nutrient use efficiency (NUE).
- For instance, ICL's eqo.x technology employs rapidly degradable coatings that can boost NUE by up to 80%, significantly reducing nutrient losses and environmental impact. These innovations not only improve crop performance but also align with global sustainability goals, encouraging broader adoption across agricultural sectors.

Environmental Impact:

- Controlled release fertilizers contribute meaningfully to environmental preservation by reducing nutrient leaching, volatilization, and runoff key causes of soil and water pollution. By releasing nutrients gradually, CRFs ensure efficient crop uptake, promoting cleaner waterways, healthier ecosystems, and sustainable farming practices.

Competitive Landscape:-

The AMR report provides an in-depth analysis of leading market players, highlighting their strategic initiatives, product portfolios, and market positioning. Key companies profiled include:

- Pursell Agri-Tech
- The Mosaic Company
- Nufarm Ltd
- Kingenta
- Haifa Chemicals
- ICL Group
- ScottsMiracle-Gro
- SQM
- AGLUKON
- JNC Corporation
- Yara International ASA
- Ekompany International BV
- Helena Chemical Company
- Koch Industries
- Nutrien Ltd.

These players are focusing on technological innovation, sustainable product development, and strategic collaborations to expand their market presence and enhance profitability.

For more information on the Controlled Release Fertilizers market, visit our website:

<https://www.alliedmarketresearch.com/controlled-release-fertilizers-market/purchase-options>

About Us

Allied Market Research provides global enterprises as well as medium and small businesses with unmatched quality of "Market Research Reports" and "Business Intelligence Solutions." AMR has a targeted view to provide business insights and consulting to assist its clients to make strategic business decisions and achieve sustainable growth in their respective market domain.

Pawan Kumar, the CEO of Allied Market Research, is leading the organization toward providing high-quality data and insights. We are in professional corporate relations with various companies and this helps us in digging out market data that helps us generate accurate research data tables and confirms utmost accuracy in our market forecasting. Each and every data presented in the reports published by us is extracted through primary interviews with top officials from leading companies of domain concerned. Our secondary data procurement methodology includes deep online and offline research and discussion with knowledgeable professionals and analysts in the industry.

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