

Controlled-release Fertilizers Market by Type (Slow Release, Coated and Encapsulated, Nitrogen Stabilizers), End Use (Agricultural and Non-Agricultural), Mode of Application (Foliar, Fertigation, Soil) and Region - Global Forecast to 2028

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Abstracts

The controlled-release fertilizers market is projected to grow from USD 2.2 Billion in 2023 to USD 2.9 Billion by 2028, at a CAGR of 5.9% during the forecast period. A growing population increases the need for food. Controlled-release fertilizers offer a technique to enhance the delivery of nutrients to crops, ensuring that they get the nutrients they need for the best growth and output. This may help boost agricultural productivity and help fulfill the growing demand for food.

The urea-formaldehyde segment in slow-release fertilizers type is expected to be one of the dominant segments in the market.

Urea-formaldehyde is a commonly used polymer coating material in slow-release fertilizers, contributing to their controlled nutrient release characteristics. Urea-formaldehyde slow-release fertilizers provide a controlled and gradual release of nutrients, matching the plant's uptake requirements. This efficient nutrient delivery leads to improved nutrient utilization, reduced wastage, and enhanced crop yields.

Increased consumer awareness of sustainable farming practices has driven the demand for products to grow with minimal environmental impact. Urea-formaldehyde slow-release fertilizers align with this demand, offering an eco-friendlier option.

Cereals & Grains is one of the segments that is projected to grow in the agriculture end-use segment during the forecast period.

Cereals and grains require specific nutrients at different growth stages. Controlled-release fertilizers provide controlled and gradual nutrient release, ensuring that these crops receive the right nutrients when needed. This optimized nutrient delivery enhances crop growth and yields. Controlled-release fertilizers contribute to higher yields in cereals and grains by providing a sustained nutrient supply throughout the growing season. This leads to healthier plants, improved tillering, and ultimately, increased harvests.

The growing global population necessitates increased cereal and grain production. Controlled-release fertilizers support higher yields and efficient nutrient utilization, making them essential tools in meeting the rising demand for food. The integration of precision agriculture techniques, such as soil testing and GPS-guided equipment, in cereal and grain cultivation complements controlled-release fertilizers. Farmers can apply these fertilizers more accurately, optimizing crop growth and nutrient utilization.

The break-up of the profile of primary participants in the controlled-release fertilizers market:

By Company Type: Tier 1 – 50%, Tier 2 – 20%, and Tier 3 – 30%

By Designation: C Level – 26%, Director Level – 30%, Others-44%

By Region: North America – 24%, Europe – 29%, Asia Pacific – 32%, and Rest of the World – 15%

Prominent companies include Yara (Norway), Nutrien Ltd. (Canada), Mosaic (US), ICL (Israel), Nufarm (Australia), Kingenta (China), ScottsMiracle-Gro (US), Koch Industries (US), Helena Chemicals (US), and SQM (Chile) and among others.

Research Coverage:

This research report categorizes the controlled-release fertilizers market by Type (Slow Release, Coated, and Encapsulated, Nitrogen Stabilizers), End Use (Agricultural and Non Agricultural), Mode of Application (Foliar, Fertigation, Soil), and Region (North America, Europe, Asia Pacific, South America, and Rest of the World). The scope of the report covers detailed information regarding the major factors, such as drivers, restraints, challenges, and opportunities, influencing the growth of the controlled-release

fertilizers market. A detailed analysis of the key industry players has been done to provide insights into their business overview, solutions, and services; key strategies; contracts, partnerships, agreements, new product & service launches, mergers and acquisitions, and recent developments associated with the controlled-release fertilizers market. Competitive analysis of upcoming startups in the controlled-release fertilizers market ecosystem is covered in this report.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall controlled-release fertilizers market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Necessities for highly efficient fertilizers, Favourable government policies and regulations, Increase in environmental concerns, Uniform nutrient applications, and Increase in adoption of precision farming technology), restraints (Cost effectiveness, Improper management of controlled-release fertilizers, and Growth of the organic fertilizer industry), opportunity (Product innovations in controlled-release technology, Strong growth in emerging economies, Crop-specific nutrient management through precision farming and, Need to improve pasture production), and challenges (Limited adoption of controlled-release technology, Lack of awareness among farmers, Supply of counterfeit and less effective products and, Subsidies on fertilizers provided by the government of developing economies) influencing the growth of the controlled-release fertilizers market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the controlled-release fertilizers market.

Market Development: Comprehensive information about lucrative markets – the report analyses the controlled-release fertilizers market across varied regions.

Market Diversification: Exhaustive information about new products & services,

untapped geographies, recent developments, and investments in the controlled-release fertilizers market.

Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like Yara (Norway), Nutrien Ltd. (Canada), Mosaic (US), ICL (Israel), Nufarm (Australia), Kingenta (China), ScottsMiracle-Gro (US), Koch Industries (US), Helena Chemicals (US), and SQM (Chile) among others in the controlled-release fertilizers market strategies. The report also helps stakeholders understand the controlled-release fertilizers market and provides them with information on key market drivers, restraints, challenges, and opportunities.

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About

The report “Controlled-release Fertilizers Market by Type (Condensation Products of Urea, Coated & Encapsulated Fertilizers, & N Stabilizers), by Crop Type, & by Geography - Global Trends and Forecast to 2019”, defines and segments the global controlled-release fertilizers market with analysis and forecasting of the global revenues for controlled-release fertilizers.

The global Controlled-release Fertilizers Market, in terms of value, is projected to reach \$2,994.7 Million in 2019, at a CAGR of 6.5% from 2014 to 2019.

The market is segmented and revenues are forecasted on the basis of major regions such as North America, Europe, Asia-Pacific, Latin America, and Rest of the World (ROW). The key countries are covered and their market sizes forecasted for each region. Further, the market is segmented and revenues are forecasted on the basis of applications.

Controlled-release fertilizers allow increased plant uptake and reduced potential for nutrient losses to the environment when compared to appropriate reference fertilizer products. The demand for controlled-release fertilizers continues to grow as they prove to be an efficient alternative to conventional fertilizers because of their low impact on the environment, resource-saving, and labor-saving attributes.

The enhanced efficient technology, ease of application, and the reduced application cost are driving factors for the global controlled-release fertilizers market, since these fertilizers help in increasing agricultural productivity.

The global market for controlled-release fertilizers was valued at \$2,061.2 Million in 2013 and is projected to reach \$2,994.7 Million by 2019, at a CAGR of 6.5% from 2014 to 2019. North America dominated the global market. The Asia-Pacific region is expected to be the fastest-growing market in the near future owing to the growing demand for food products in the region.

Growing environmental concerns, rising demand for food, decreasing land availability, increasing health concerns, growing government support, and increasing private investments and venture funding to support new product developments are the key factors driving the growth of the controlled-release fertilizers market across the globe.

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