

Europe Calcium Nitrate Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

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Report description:

The calcium nitrate market in Europe is expected to register a CAGR of over 3% during the forecast period.

The COVID-19 pandemic impacted the calcium nitrate market in Europe, with demand for fertilizers slowing due to the economic downturn. It resulted in lower calcium nitrate prices and lower production and exports. However, the market recovered in the post-COVID-19 period, with increased demand for calcium nitrate due to its use in fertilizers and other agricultural applications. Furthermore, the European Union implemented agricultural support measures, increasing the calcium nitrate demand.

Key Highlights

In the short term, the need for agricultural applications such as fertilizer is anticipated to rise due to population growth and urbanization, which will also drive growth in the European calcium nitrate market. A rise in the calcium nitrate demand may result from the European Union's efforts to minimize agricultural emissions.

However, due to the high manufacturing costs connected with the need for specialized machinery and raw materials, the calcium nitrate sector is further affected by the availability of less expensive competitors such as ammonium nitrate and potassium nitrate.

The rising need for wastewater treatment facilities drives the future market potential. In wastewater treatment facilities, calcium nitrate is a coagulant to remove suspended particles and other impurities from water.

Germany dominated the market and may continue its dominance during the forecast period.

Europe Calcium Nitrate Market Trends

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Calcium nitrate is widely used as a fertilizer in agriculture. It is an excellent source of nitrogen and calcium for plants, promoting healthy root growth and increasing crop yields. Calcium nitrate can also be used to reduce soil acidity, prevent tomato blossom end rot, and reduce the occurrence of certain plant diseases. Calcium nitrate fertilizer can be applied in several ways, including foliar spray, soil drench, and side-dressing in agriculture products.

Europe is one of the world's top agricultural exporters. According to Eurostat, Europe exported USD 208.8 billion in farm products in 2021, a 6.3% rise over the previous year. In 2021, the United Kingdom was the EU's largest export destination for agricultural products and the second-largest origin of EU imports, just behind Brazil.

Calcium Nitrate includes broader applications in horticulture since it enhances fruit quality, makes it less susceptible to bitter pit and blossom end rot, and extends shelf life. Furthermore, calcium nitrate is a fertilizer used to improve the quality and productivity of fruit crops and lower soil acidity, enhancing the taste of particular fruits.

In 2021, the value of fruits and vegetables produced in the EU was over USD 65 billion, accounting for over 14% of the total value of agricultural goods and services produced in the EU. Switzerland was the largest export destination of the EU's fruit and vegetables.

Calcium nitrate can increase coffee beans' caffeine content and improve the finished product's flavor and aroma by reducing bitterness and acidity. According to the Ministry of Foreign Affairs of the European Union, Europe will account for 33% of global coffee consumption in 2021, amounting to an estimated 3.244 million tons of coffee. As a result, Europe includes the world's largest coffee market.

Overall, it is anticipated that the region's calcium nitrate market will be driven by the expanding need for calcium nitrate fertilizers over the forecast period.

Germany to Dominate the Market

The largest producers of calcium nitrate in Europe are Germany, the Netherlands, and France. Germany is the largest producer, accounting for around 40% of total European production. The Netherlands is the second-largest producer, accounting for approximately 25% of total European production. France is the third-largest producer, accounting for about 15% of total European production. Other countries that produce calcium nitrate in Europe include the United Kingdom, Italy, Spain, and Poland.

Calcium nitrate is an essential fertilizer for coffee plants, as it helps to increase the plant's resistance to disease and promote healthy growth. Increasing coffee consumption in Germany will increase the demand for the calcium nitrate fertilizer used on coffee plants.

The German coffee market is one of the largest in Europe, with an estimated value of over USD 8 billion. Germany is the world's second-largest consumer of coffee, trailing only the United States. Coffee consumption steadily increased in recent years, with an estimated average of 2.5 cups per person per day. The country is the world's third-largest exporter of coffee.

Calcium nitrate is commonly used in wastewater treatment to remove heavy metals like lead and zinc from industrial wastewater. Calcium nitrate reacts with heavy metals to form insoluble metal nitrates that can be removed from water via settling or filtration. Calcium nitrate, which reacts with acids to form calcium salts, can also be used to reduce the acidity of wastewater. Calcium nitrate can also reduce ammonia and other nitrogen compounds in wastewater.

Germany includes a comprehensive wastewater treatment system. The nation consists of more than 30,000 wastewater treatment facilities that handle domestic, industrial, and agricultural wastewater. The majority of these plants filter water contaminants through biological processes.

Considering all the above factors, Germany is predicted to dominate the European calcium nitrate market and includes consistent expansion during the forecast period.

Europe Calcium Nitrate Market Competitor Analysis

The calcium nitrate market in Europe is partially consolidated, with only a few major players dominating the market. Some major companies are Agroferti, Agronova, AG CHEMI GROUP s.r.o., Airedale Chemical Co. Ltd, Eurosolids, EuroChem Group, Haifa Group, Refine Chemical Co. Ltd, URALCHEM JSC, Van Iperen International, and Yara International ASA among others.

Additional Benefits:

The market estimate (ME) sheet in Excel format

3 months of analyst support

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