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Sulfur Fertilizers Market Report by Type (Sulphate Fertilizers, Elemental Sulfur Fertilizers, Liquid Sulfur Fertilizers, and Others), Cultivation Type (Conventional Agriculture, Controlled Environment Agriculture), Crop Type (Cereals and Grains, Oilseeds and Pulses, Fruits and Vegetables, and Others), Form (Dry, Liquid), Mode of Application (Soil, Foliar, Fertigation), and Region 2025-2033

Market Report | 2025-10-01 | 141 pages | IMARC Group

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Report description:

The global sulfur fertilizers market size reached USD 5.9 Billion in 2024. Looking forward, IMARC Group expects the market to reach USD 7.7 Billion by 2033, exhibiting a growth rate (CAGR) of 2.82% during 2025-2033. The sulfur fertilizers market is primarily propelled by the launch of favorable initiatives by government bodies to minimize sulfur emissions, owing to their negative impact on the environment, along with the introduction of elemental sulfur enriched NPK fertilizers.

Global Sulfur Fertilizers Market Trends:
Strategic Partnerships and Collaborations
Key players across numerous countries are entering into agreements to enhance the efficiency of sulfur fertilizers and expand their product portfolio. This, in turn, is stimulating the market growth. For example, in March 2020, the Mosaic Company announced an agreement with the Financial Technology Research Centre (FTRC) at the University of Adelaide in Australia to emphasize on enhancing the efficiency of fertilizers. Similarly, in February 2020, ICL stated the acquisition of Growers Holdings Inc. (US), an innovator in data-driven farming, that offers diversified information on on-field applications and fertilization.
Regulations by Government Bodies
The regulatory bodies across the countries are focusing on offering more efficient nutrient use and minimizing environmental impact, thereby catalyzing the sulfur fertilizers market. For instance, various sulfur fertilizers have been included in the Fertilizer Control Order (FCO). Moreover, their sulfur content is a part of the fertilizer specifications. Government bodies are further

implementing stringent regulations to make it mandatory to declare the sulfur content in the product on the bag. In line with this, they are also providing tax benefits and fiscal benefits to encourage the farmers to use sulfur fertilizers. For example, the government in India increased the subsidy on sulfur fertilizer to Rs 3.56 per kg. It kept the support unchanged for other non-urea nutrients to promote the balanced use of farm supplements. To meet the increasing food demand that requires enhanced agricultural productivity, regulatory authorities are launching favorable policies to promote the usage of effective soil supplements, such as sulfur fertilizers. For example, policies, including Pradhan Mantri Kisan Samman Nidhi (PM-KISAN) in India, are helping in elevating the agricultural industry across the country. The payments of Rs.2000 are made to the families of farmers nationwide every four months as part of the Scheme, which, in turn, offers annual income support of Rs. 6000 to help them concentrate more on farming, thereby propelling the sulfur fertilizers market revenue.

Increasing Applications of Novel Sulfur Fertilizers

The introduction of elemental sulfur fertilizers that are gaining extensive applications in end-use industries, including petroleum refining, rubber manufacturing firms, agrochemicals, etc., is bolstering the sulfur fertilizers market value. For instance, in June 2021, Northern Nutrients, a Canadian company, announced the development of a new sulfur production plant by utilizing Royal Dutch Shell's Thiogro technology, which converts micronized elemental sulfur into urea granules. Furthermore, Nutrien introduced Smart Nutrition MAP+MST fertilizer, which usually combines micronized sulfur with phosphates, and offers plants a consistent supply of nutrients all season long. These innovations will continue to drive the sulfur fertilizers market over the forecasted period.

Sulfur Fertilizers Industry Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the market, along with forecasts at the global, regional, and country levels for 2025-2033. Our report has categorized the market based on type, cultivation type, crop type, form, and mode of application.

Breakup by Type:

- Sulphate Fertilizers
- Elemental Sulfur Fertilizers
- Liquid Sulfur Fertilizers
- Others

The report has provided a detailed breakup and analysis of the market based on the type. This includes sulphate fertilizers, elemental sulfur fertilizers, liquid sulfur fertilizers, and others.

Sulfate fertilizers, including potassium sulfate, ammonium sulfate (AS), magnesium sulfate, etc., usually contain sulfur in the commonly available sulfate form. Elemental sulfur fertilizers are natural minerals that require to be oxidized by soil bacteria to the sulfate form before plants can utilize them. Besides this, liquid sulfur fertilizers offer a quick source of sulfur to plants, especially during periods of high sulfur demand. As such, they are gaining extensive traction, as they aid in promoting healthy plant growth and improving crop yield.

Breakup by Cultivation Type:

- Conventional Agriculture
- Controlled Environment Agriculture

The report has provided a detailed breakup and analysis of the market based on the cultivation type. This includes conventional agriculture and controlled environment agriculture.

Controlled environment agriculture (CEA) generally utilizes advanced science to cultivate crops in a controlled setting. Moreover, greenhouses and other enclosed and temperature-controlled spaces are adopted for the cultivation process, where the roots of the plants receive a steady supply of fertilizer, water, and sunlight. The controlled environment agriculture technique is environmentally safe and yields high-value crops at optimum productivity. Apart from this, sulfur fertilizers that assist crops in holding onto moisture are especially useful in conservation-intensive agriculture, as they minimize water needs.

Breakup by Crop Type:

- Cereals and Grains

- Oilseeds and Pulses
- Fruits and Vegetables
- Others

The report has provided a detailed breakup and analysis of the market based on the crop type. This includes cereals and grains, oilseeds and pulses, fruits and vegetables, and others.
For individuals in underdeveloped nations, pulses and oilseeds are staple crops farmed in semi-arid tropical climates. As crops in these regions have a sulfur deficiency, there is an inflating requirement for plant nutrients, such as sulfur fertilizers, to grow oilseeds. Moreover, these fertilizers are extensively used across the globe to produce more yield and effective fruits and vegetables on the available arable land.
Breakup by Form:

- Dry
- Liquid

The report has provided a detailed breakup and analysis of the market based on the form. This includes dry and liquid.
The growing consumer awareness towards liquid sulfur fertilizers, as they are quickly absorbed by plants and simple to use, is primarily driving the market growth. For example, in 2021, Yara International ASA developed a product variant, known as the YaraVita Optimum, which is a liquid sulfur fertilizer. It was specifically formulated to enhance crop quality and yield. Similarly, in 2020, Nutrien Ltd. introduced eNpower, which is a liquid sulfur fertilizer. However, based on the form, dry sulfur fertilizers are gaining extensive traction among farmers, owing to their ease of handling and cost-effectiveness.
Breakup by Mode of Application:

- Soil
- Foliar
- Fertigation

The report has provided a detailed breakup and analysis of the market based on the mode of application. This includes soil, foliar, and fertigation.
Incorporating sulfur into the soil helps in improving its availability to plants over time. Besides this, foliar applications involve spraying a dilute solution of sulfur fertilizer directly onto the leaves of plants. On the other hand, fertigation can be particularly beneficial in areas where sulfur deficiencies are common.
Breakup by Region:

- North America
  - United States
  - Canada
- Asia-Pacific
  - China
  - Japan
  - India
  - South Korea
  - Australia
  - Indonesia
  - Others
- Europe
  - Germany
  - France
  - United Kingdom
  - Italy

o Spain
o Russia
o Others
- Latin America
o Brazil
o Mexico
o Others
- Middle East and Africa

Asia Pacific leads the market, accounting for the largest sulfur fertilizers market share.
The market research report has also provided a comprehensive analysis of all the major regional markets, which include North America (the United States and Canada); Asia Pacific (China, Japan, India, South Korea, Australia, Indonesia, and others); Europe (Germany, France, the United Kingdom, Italy, Spain, Russia, and others); Latin America (Brazil, Mexico, and others); and the Middle East and Africa.
Sulfur is produced in all world regions, but half of all production takes place in North America and the Middle East. Moreover, around 36 million tons of sulfur are traded annually, accounting for 53% of total sulfur production. The Middle East accounts for over 40% of exports. Favorable programs by government bodies in North America supporting environmentally friendly farming methods are propelling the demand for sulfur fertilizers. Furthermore, the widespread use of sustainable agriculture techniques, especially in countries, including India and China, is augmenting the adoption of sulfur fertilizers.

Leading Key Players in the Sulfur Fertilizers Industry:
The market research report has provided a comprehensive analysis of the competitive landscape. Detailed profiles of all major companies have also been provided. Some of the key players in the market include:
- Achema
- Coromandel International Limited (Murugappa Group)
- ICL Group Ltd.
- K+S AG
- Koch Industries Inc.
- Kugler Company
- Mitsui & Co. Ltd.
- Nutrien Ltd.
- Royal Dutch Shell plc
- Sulfur Mills Limited
- The Mosaic Company
- Yara International ASA

Key Questions Answered in This Report
1.How big is the sulfur fertilizers market?
2.What is the future outlook of sulfur fertilizers market?
3.What are the key factors driving the sulfur fertilizers market?
4.Which region accounts for the largest sulfur fertilizers market share?
5.Which are the leading companies in the global sulfur fertilizers market?

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