

# **Elemental Sulfur Market Size, Share & Trends Analysis Report By Source (Refineries, Gas Processing Plants), By End Use (Agriculture, Chemical, Rubber), By Region, And Segment Forecasts, 2025 - 2030**

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## **Abstracts**

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### **Elemental Sulfur Market Growth & Trends**

The global elemental sulfur market size is expected to reach USD 16.78 billion by 2030, according to a new report by Grand View Research, Inc, expanding at a CAGR of 4.7% from 2025 to 2030. The market is projected to witness significant growth in the coming years owing to the increasing demand for high-quality fertilizers. Elemental sulfur is a chemically simpler form and is not combined with other elements in compounds such as sulfur dioxide and sulfates. The market is segmented based on source, end-use, and region. On basis of source, it is segmented into refineries, gas processing plants, and others.

Refineries is one of the major sources to obtain elemental sulfur. The segment is witnessing rising investments by research institutions and major refiners to enhance the sulfur content in crude oil & gas and carry the extraction efficiently and cost-effectively. For instance, in October 2022, India's Council of Scientific and Industrial Research (CSIR) announced the development of a new single-step hydrogen-free desulphurization process. This process is performed in just one step without the use of hydrogen and has the capability to eliminate as much as 90% of the sulfur content.

Based on end-use, market is segmented into agriculture, chemicals, rubber,

metallurgy, and others. Agriculture dominates the market as elemental sulfur is widely utilized in fertilizers owing to its potent acidic properties and ability to convert raw materials into essential plant nutrients. This process involves blending sulfuric acid with other substances, such as ammonia, resulting in products like ammonium sulfate and various nitrogen- and phosphate-based fertilizers.

Based on region, Asia Pacific is anticipated to dominate the market over the forecast period. The rising investment in various industries, such as agriculture, chemical, metallurgy, and rubber, is expected to drive market growth in the region. For instance, in July 2023, Yokohama Rubber Company announced about investment of USD 80 million in expanding tire production in India. The expansion is expected to finish by the fourth quarter of 2024.

The market is competitive and fragmented in nature. As a result, key players in the market are devising strategies to enhance their capacities. Further, expansion in the sulfuric acid market is also anticipated to create lucrative opportunities for market players. For instance, in December 2022, Chemtrade Logistics announced USD 50 million expansion of its UltraPure Sulfuric Acid production unit in Ohio.

### Elemental Sulfur Market Report Highlights

As global energy consumption continues to increase, particularly in emerging economies, refineries are expanding their capacities to meet the growing need. It is a by-product of refining processes for crude oil and natural gas, sees increased production as a result of heightened refining activities.

Sulfur, an essential macronutrient, is a key component of amino acids and proteins that are vital for plant development. The increasing awareness among farmers about the importance of sulfur in mitigating nutrient deficiencies in crops has significantly bolstered the demand for elemental sulfur.

Asia Pacific region dominates the global elemental sulfur with a revenue share of 42.3% in terms of revenue in 2024.

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