

## **Clomazone Market By Formulation (Liquid, Granular, Suspoemulsion, Others) , By Crop Type (Cereals & Grains, Oilseeds & Pulses, Fruits & Vegetables, Others) : Global Opportunity Analysis and Industry Forecast, 2024-2033**

Market Report | 2024-09-01 | 300 pages | Allied Market Research

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### **Report description:**

The clomazone market was valued at \$418.5 million in 2023, and is projected to reach \$538.2 million by 2033, growing at a CAGR of 2.6% from 2024 to 2033.

Clomazone is a selective herbicide primarily used to control a broad range of annual grasses and broadleaf weeds in crops like soybeans, cotton, tobacco, and rice. It plays a key role as an agrochemical, a herbicide, a carotenoid biosynthesis inhibitor, and a xenobiotic. In agriculture, clomazone is valued for its pre-emergent and early post-emergent application, making it a critical tool for farmers aiming to maintain clean fields and optimize crop yields.

The growth of the global clomazone market is driven by increase in global food demand coupled with surge in need for effective weed control to boost crop yields. According to a study published by Statista in 2024, the global herbicide consumption reached 1.9 million metric tons in 2022. This highlights the fact that herbicides such as clomazone play a crucial role in maintaining productivity as global food demand increases exponentially. Rise in awareness among farmers about the importance of effective crop protection to safeguard yields and reduce losses caused by weeds is further driving the demand for clomazone. Moreover, increase in issue of herbicide-resistant weeds has led to the adoption of herbicides like clomazone, which has a different mode of action from other common herbicides, helping to mitigate resistance. It inhibits the biosynthesis of carotenoids and chlorophyll, which are essential for plant photosynthesis. This causes the target weeds to turn white or bleached before dying, effectively reducing competition with the crop and making it a critical tool for farmers aiming to maintain clean fields and optimize crop yields. Furthermore, increase in production of crops like soybeans, cotton, and rice has significantly propelled the demand for clomazone that can effectively control weeds without damaging the crops. In addition, rise in government initiatives and subsidies aimed at improving agricultural productivity and ensuring food security are promoting the use of efficient herbicides like clomazone, thereby boosting the market growth. However, high toxicity of clomazone and associated health & safety concerns such as respiratory and skin irritation in humans hamper the market growth. Moreover, shift toward organic farming, which limits

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the use of synthetic chemicals, is reducing demand for traditional herbicides like clomazone, thus hampering the growth of the global market. On the contrary, continuous improvements in formulation technologies, including slow-release and pre-mixed herbicide solutions, enhance the effectiveness and convenience of clomazone, making it more attractive to farmers. Such developments are expected to offer lucrative opportunities for the expansion of the global market during the forecast period. The global clomazone market is segmented into formulation, crop type, and region. On the basis of formulation, the market is divided into liquid, granular, suspo emulsion, and others. Depending on crop type, it is classified into cereals & grains, oilseeds & pulses, fruits & vegetables, and others. Region wise, it is analyzed across North America, Europe, Asia-Pacific, and LAMEA.

#### Key Findings

By formulation, the liquid segment held the highest market share in 2023.

On the basis of crop type, the cereals & grains segment was the major shareholder in 2023.

Region wise, Asia-Pacific garnered the largest share of the clomazone market in 2023.

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#### Competition Analysis

Competitive analysis and profiles of the major players in the global clomazone market include FMC Corporation, BASF SE, ADAMA, Nufarm Australia, UPL, Sumitomo Chemical Co., Ltd., Merck KGaA, Sipcam Oxon Spa VAT, Honeywell International Inc, and King Quenson. These major players have adopted various key development strategies such as business expansion, new product launches, and partnerships to sustain the intense competition and gain a strong foothold in the global market.

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  - Honeywell International Inc
  - King Quenson

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