

## Report Information

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# Foliar Spray Market Research Report – Forecast to 2027

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## Description:

### Foliar Spray Market Synopsis:

Foliar spray is the process of applying liquid fertilizers in a spray form directly onto plant leaves. The stomata on plant leaves help absorb nutrients from the foliar spray. The response of plants to foliar nutrients is more rapid than in the case of soil application. Foliar applications are often timed to coincide with specific growth stages of plants such as flowering and fruiting, recovery from transplant shock, hail damage, or other extreme weather effects. Foliar sprays are especially beneficial when environmental conditions, such as high soil pH, excess moisture, and cold temperatures, limit the intake of nutrients from the roots. Foliar sprays also increase plant yield and resistance to diseases and insects, improve drought tolerance, and enhance crop quality.

Foliar spray fertilizers find application in horticultural crops, field crops, and turfs and ornamentals, among others. Liquid fertilizers used in a foliar spray can be nitrogenous (N), phosphorus-based (P), potassium-based (K), mixed, or micronutrients.

Rapidly expanding global population and growing concerns regarding global food security are the major factors driving the growth of the global foliar spray market. The use of advanced farming technology as part of Agriculture 4.0 is expected to provide new opportunities for growth to market players during the forecast period.

However, the limitations of foliar spray such as dosage restrictions, phytotoxicity, and high costs may hinder the growth of the foliar market during the forecast period. Furthermore, the waxy cuticles of plant leaves serve as a barrier to the absorption of nutrients from foliar sprays into the underlying tissue. The use of agricultural surfactants in foliar spray formulations helps solve the problem of waxy cuticles and greatly improves nutrient absorption. Apart from this, the effectiveness of foliar sprays can be enhanced by managing the pH of the spray solution in accordance with the pH of the applied nutrients, small droplet size, adequate spray volume, and application in the morning.

### Market Segmentation:

The global foliar spray market has been segmented by fertilizer type, application, and region.

On the basis of fertilizer type, the global foliar spray market has been divided into macronutrients and micronutrients. The macronutrients segment has been further categorized as nitrogenous (N), phosphorus-based (P), potassium-based (K), and mixed.

Based on application, the global foliar spray market has been segregated into horticultural crops, field crops, turfs and ornamentals, and others.

### Regional Analysis:

The global foliar spray market has been analyzed with respect to five regions, namely, Asia-Pacific, North America, Europe, Latin America, and the Middle East & Africa.

Europe held the largest market share of the global foliar spray market in 2017 due to the presence of an established agricultural industry, high agriculture expenditure, and an emphasis on technologically advanced farming techniques and products in the region. These factors are also expected to result in the steady growth of the European market during the forecast period.

North America is expected to be the second-largest market for foliar spray during the forecast period as the region is home to a developed agricultural industry.

The market in Asia-Pacific is expected to be the fastest-growing during the forecast period. The regional agricultural industry has seen exponential growth over the last decade due to the rising population, availability of fertile and arable land, the presence of agricultural economies, lucrative government schemes, and R&D in farming techniques.

The Latin American market is expected to witness significant demand for foliar sprays during the forecast period due to the growing agricultural industry in countries such as Brazil and Argentina.

The demand for the foliar spray is expected to be moderate in the Middle East & Africa during the forecast period.

### Key Players

Some of the prominent players in the global foliar spray market are Coromandel International Limited (India), Yara International ASA (Norway), GSFC Ltd (India), Nutrien Ltd (Canada), EuroChem Group AG (Switzerland), K+S KALI GmbH (Germany), Israel Chemicals Ltd (Israel), the Mosaic Company (US), TRIBODyn AG (Germany), Haifa Group (Israel), Lima Europe NV (Belgium), and Hebei Monband Water Soluble Fertilizer Co., Ltd (China).

### Intended Audience

- Foliar spray manufacturers
- Traders and distributors of foliar spray
- Research and development institutes
- Potential investors
- Raw material suppliers
- Nationalized laboratories

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