

Agricultural Activator Adjuvants Market by Adoption Stage (In-formulation and Tank-mix), Type (Surfactants and Oil-based Adjuvants), Application (Herbicides, Insecticides, Fungicides) Crop Type and Region - Global Forecast to 2028

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Abstracts

The agricultural activator adjuvants market is projected to grow from USD 2.6 Billion in 2023 to USD 3.5 Billion by 2028, at a CAGR of 6.0% during the forecast period.

Farmers in developing countries are becoming more aware of the benefits of agricultural activator adjuvants, such as increased crop yields, improved pest control, and reduced pesticide use. This is due to increased access to information and training on agricultural best practices.

Tank-mix segment in the adoption stage is expected to be the fastest growing with the highest CAGR during the forecast period.

Tank mix adjuvants are becoming increasingly important in sustainable farming practices. They can help to improve the performance of crop protection products, reduce pesticide use, and lower treatment costs, while also improving yields and producing safer food. Surfactants reduce the surface tension of water, allowing spray droplets to spread out and adhere better to target surfaces. This is especially important for waxy or hairy leaves, which can be difficult for spray droplets to stick to. Crop oil concentrates also help to improve spray droplet retention. They do this by forming a thin film on the target surface, which helps to prevent spray droplets from evaporating or being washed off by rain. Solvay offers various tank mix activator adjuvants including AgRHO Gpa, Antarox 245s, AgRhospec SB10 Max, AgRHO MO 94, and Geronol TMO4 for better crop yields.

Numerous manufacturers are creating new and unique tank-mix adjuvants that provide advantages such as reduced drift. The handling of pesticide sprays, which involves their regulation, retention, and penetration, is a crucial issue. Consequently, certain nations like Switzerland, Japan, and Canada have prohibited or are contemplating prohibiting Nonylphenol Ethoxylates (NPE) formulations as adjuvants. Consequently, Wilbur-Ellis has made significant strides in addressing this matter.

Herbicide application is one of the dominant in both surfactant and oil-based adjuvant application segments in the market

Activator adjuvants are designed to improve the performance of herbicides by increasing their absorption rate, improving their spread and adhesion to plant surfaces, and reducing their degradation. They are especially useful for postemergence herbicides, which must be absorbed by the plant in order to be effective. Adjuvants are either added in herbicide formulations or to the spray tank, which helps in modifying the herbicidal activity or application characteristics (such as spray retention and droplet drying, increasing droplet coverage, increasing herbicide cuticle penetration, enhancing mixing and handling, as well as cellular accumulation). These characteristics reduce the leaching of herbicides through the soil profile.

Activator adjuvants can be used to improve the performance of a wide range of herbicides, including glyphosate, 2,4-D, dicamba, and sulfonylureas. They are especially useful for controlling difficult-to-control weeds, such as marehail, pigweed, and kochia.

The break-up of the profile of primary participants in the agricultural activator adjuvants market:

By Company Type: Tier 1 – 60%, Tier 2 – 25%, and Tier 3 – 15%

By Designation: C Level – 35%, Director Level – 45%, Others-20%

By Region: North America – 20%, Europe – 25%, Asia Pacific – 45%, South America – 5%, and Rest of the World –5%

Prominent companies include Corteva. (US), Evonik (Germany), Solvay (Belgium), BASF SE (Germany), CHS Inc. (US), Corda International Plc (UK), Nufarm (Australia), Clariant (Switzerland), and Stepan Company (US) among others.

Research Coverage:

This research report categorizes the agricultural activator adjuvants market by Type (Surfactants, Oil-based Adjuvants), Adoption Stage (In-formulation, Tank-mix), Application (Herbicides, Fungicides, Insecticides), Crop Type, and Region (North America, Europe, Asia Pacific, South America, and Rest of the World). The report covers information about the key factors, such as drivers, restraints, opportunities, and challenges impacting the growth of the agricultural activator adjuvants market. It also provides a detailed analysis of the major players in the market including their business overview, products offered; key strategies; partnerships, new product launches, and acquisitions. Competitive benchmarking of upcoming startups in the agricultural activator adjuvants market is covered in this report.

Reasons to buy this report:

The report will help the market leaders/new entrants in this market with information on the closest approximations of the revenue numbers for the overall agricultural activator adjuvants market and the subsegments. This report will help stakeholders understand the competitive landscape and gain more insights to position their businesses better and plan suitable go-to-market strategies. The report also helps stakeholders understand the pulse of the market and provides them with information on key market drivers, restraints, challenges, and opportunities.

The report provides insights on the following pointers:

Analysis of key drivers (Increasing awareness of sustainable agriculture, Increase in demand for green solutions, Adoption of precision farming and protected agriculture, and Increasing pesticide adoption), restraints (Limited use of water-based pesticides, Stringent regulations for manufacturing adjuvants, and Increase in oil prices), opportunity (Development of low-impact formulations of oil-based adjuvants and Development of cost-effective production technologies), and challenges (Impact on the production cost of farmers and Rising environmental concerns) influencing the growth of the agricultural activator adjuvants market.

Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the agricultural activator adjuvants market.

Market Development: Comprehensive information about lucrative markets – the report analyses the agricultural activator adjuvants market across varied regions.

Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the agricultural activator adjuvants market.

Competitive Assessment: In-depth assessment of market shares, growth strategies, and service offerings of leading players like Corteva. (US), Evonik (Germany), Solvay (Belgium), BASF SE (Germany), CHS Inc. (US), Corda International Plc (UK), Nufarm (Australia), Clariant (Switzerland), and Stepan Company (US) among others in the agricultural activator adjuvants market strategies. The report also helps stakeholders understand the agricultural activator adjuvants market and provides them with information on key market drivers, restraints, challenges, and opportunities.

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11.5.2.1 Rising demand for effective pest management and environmentally sustainable agricultural practices to drive market

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11.5.4 SPAIN

11.5.4.1 Need for better crop yield and crop quality and pesticide reduction to boost demand for agricultural activator adjuvants

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11.7 ASIA PACIFIC: RECESSION IMPACT ANALYSIS

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