

Agriculture Sprayers Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

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Report description:

The agriculture sprayers market is projected to register a CAGR of 4.9% during the forecast period (2022-2027).

The impact of the COVID-19 pandemic was felt by various businesses, including the global sprayer market. The impact of COVID-19 can be largely characterized by an unprecedented disruption in the supply side. On the demand side, sprayers have witnessed slight or no change in demand from buyers. Since the disruption of the supply chain in various countries was accompanied by labor shortages, production factories were closed in a few countries, thereby resulting in production gaps in a few of the countries. The rising need to maintain food supply stability across the world that was affected by lockdowns along with requirements of higher efficiency and better yield resulted in continuous demand for irrigation machinery, including sprayers.

GPS and robotic system sprayers are more popular in large agricultural land holdings, gardens, and orchard crops. Advanced spraying machinery uses this technology, wherein automated machines can apply pesticides and nutrients in a more targeted and timely manner. This technological development has resulted in making farming activities more efficient and eco-friendlier. However, most farmworkers are unaware of the dosage limits and pesticide risks, and they require proper training in integrated pest management practices. Hence, the recent advancements in sprayer technology have reinforced the demand for agricultural sprayers in recent years and will have a long-term impact on the market.

Agricultural Sprayers Market Trends

Technological Developments in Spraying Equipment

Various technologies, such as drones and driverless sprayers, are providing important and attractive opportunities for the growth

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of the agriculture sprayers market. A drone uses the latest technologies of various tiny sensors, such as accelerometers, GPS modules, powerful processors, and digital radios to provide the farmers with information. The use of drones helps farmers in scouting for pests and diseases and in mid-field weed identification. Positioning technologies, such as combining GPS (global positioning system) and GIS (geographic information systems), have made yield mapping very easy and helped farmers work in the field even under adverse weather conditions, such as rain, fog, and dust. There are companies that have highly indulged in constantly upgrading their technology in order to meet the growing technology demand. For instance, companies like ASPEE and GUSS are involved in making an investment heavily in R&D to launch more advanced sprayers.

Self-propelled sprayers are gaining traction in recent times. With the help of self-propelled sprayers, large areas of the field can be covered efficiently, and there is a high demand for self-propelled sprayers equipped with high-tech tools to optimize and streamline the application and have precise control over quantities of applied product, ensuring increased output. According to a report from the Agricultural Technology National Institute (INTA), 85% of the chemicals in the country are applied by self-propelled sprayers, and 65% of them are owned by contractors.

Europe Dominates the Market

With the enforcement of the new European Union Framework Directive on the Sustainable Use of Pesticides, it is anticipated to enhance the value of the field crop and air-assisted sprayers market. The demand for production capacity is increasing directly with the rise in farm consolidation. Farms are seeking sprayers with higher capacities, as they help save the time spent on refilling the tanks. The Spanish government has made it easier for farmers to acquire loans from banks in order to purchase agricultural equipment and forestry machinery, which is one of the major reasons for the high adoption rate of sprayers during the forecast period. Owing to technological advancements, vendors are introducing self-propelled sprayers and battery-operated sprayers, among others, to ease the work of farmers. For instance, solar-powered sprayers are gradually gaining the attention of farmers, as they can be charged using solar energy, as well as electricity in Europe.

Agricultural Sprayers Market Competitor Analysis

The agriculture sprayers market is moderately consolidated. A lot of developments are taking place in the market. However, of all the strategies adopted, partnerships/collaborations are the most common, followed by mergers and acquisitions. Major companies are acquiring regional sprayer companies, and this is anticipated to lead to consolidation of the market eventually. For instance, in September 2018, Deere & Company acquired PLA, an Argentine-based agricultural sprayer manufacturer with manufacturing facilities in Las Rosas, Argentina, and Canoas, Brazil.

Additional Benefits:

The market estimate (ME) sheet in Excel format
3 months of analyst support

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