

Drip Irrigation Market - Growth, Trends, Covid-19 Impact, and Forecasts (2023 - 2028)

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Report description:

The drip irrigation market is estimated to register a CAGR of 10.3% during the forecast period (2022-2027).

The impact of the COVID-19 pandemic was felt by various businesses, including the global irrigation systems market. The impact of COVID-19 can be largely characterized by an unprecedented disruption in the supply side. Furthermore, manufacturing industries were closed due to restrictions aimed at containing COVID-19. The shortage of labor and scarce availability of raw materials have resulted in decreased production efficiency for the manufacturing of irrigation systems all over the world. As the situation moved back to normal, there was less impact on the irrigation systems market compared to 2020.

The rise in popularity of drip irrigation among growers for its precise application of the crops, attributed to government initiatives and support from the financial institution, global water scarcity, and technological innovation, will drive the drip irrigation market in the near future. The Asia-Pacific market is advancing at a rapid rate. The market in the region is driven by the growing adoption of micro-irrigation systems, rising technological upgradation in the agriculture industry, and increasing awareness of modern farming technology and irrigation systems. Major players and distributors are targeting developing countries such as India and China due to the demand for cost-efficient production factors.

Drip Irrigation Market Trends

Rapid Growth in Greenhouse Vegetable Production

Automatic drip irrigation is essential for controlling soil moisture, especially in the case of specialized greenhouse vegetables. Total automation of drip irrigation systems provides a simple, meticulous method for controlling soil moisture and applying water.

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Effective time management, elimination of human errors, in terms of estimation, and adjustment of available soil moisture levels are some of the factors augmenting the demand for automatic drip irrigation systems. Furthermore, these systems are expected to increase profits generated per yield. Water is a scarce resource in various European countries, like the United Kingdom and Germany, which is a primary issue faced by several greenhouse vegetable farmers. Thus, drip irrigation systems are gaining immense popularity in these regions, particularly southeast European countries, primarily to increase the production of greenhouse vegetables. Furthermore, these systems improve crop productivity and minimize the use of fertilizers and water, along with the risk of pathogen attacks. In the United States, Canada, Japan, the Middle East, and European countries, soilless culture is primarily used for the production of greenhouse vegetables. As greenhouse vegetables require ample amounts of water, farmers are switching to both sprinkler and drip irrigation systems, in order to achieve higher crop productivity. Thus, increasing the production of greenhouse vegetables is expected to augment the growth of the market studied.

Asia-Pacific is Achieving Rapid Growth Rate

The region is rapidly shifting from basic irrigation facilities to precision irrigation systems. Growing adoption of micro-irrigation systems, rising technological upgradation in the agriculture industry, and increasing awareness of modern farming technology and irrigation systems are driving the market in the region. In addition, increasing population, especially in India and China, demand for more food, improvement in crop productivity, and government initiatives toward sustainable development goals are strengthening the growth of the Asia-Pacific market.

In the Chinese Inner Mongolia Autonomous Region and provinces of Gansu and Hebei, more than 60% of irrigation relies on groundwater. The depletion of groundwater has sharply reduced the groundwater levels in the last three to four decades, which poses an opportunity for the paradigm shift of agriculture to effective irrigation techniques such as drip irrigation. This factor is expected to expand the market for irrigation systems. According to the National Bureau of Statistics of China, in 2020, over 0.43 million hectares of farmland were newly equipped with irrigation systems in the country. Another 1.60 million hectares of farmland were newly equipped with water-saving irrigation systems, which enhanced the market in the country. Therefore, the increasing focus on farm mechanization and the government's urge to bring more area under irrigation are anticipated to boost the sale of agriculture systems, driving the market expansion in the region during the forecast period.

Drip Irrigation Market Competitor Analysis

The drip irrigation market is a highly consolidated one, with the presence of major players, such as Orbia (Netafim Limited), Jain Irrigation Systems Limited, The Toro Company, Lindsay Corporation, Rain Bird Corporation, and Dripworks. Companies are innovating at a fast pace and coming up with new offerings for the customers. New product launches, partnerships, and acquisitions are the major strategies adopted by the leading companies in the market, globally.

Additional Benefits:

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

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