

Drip Irrigation - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2024 - 2029)

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Abstracts

The Drip Irrigation Market size is estimated at USD 1.79 billion in 2024, and is expected to reach USD 2.92 billion by 2029, growing at a CAGR of 10.30% during the forecast period (2024-2029).

Irrigation is a critical component of agriculture and crop production. Manufacturers have created equipment and techniques to provide farmers with paramount drip irrigation systems. Factors such as government subsidies and policies, technological innovations, and increasing concerns over water scarcity drive the market. In recent years, drip irrigation implementation has increased in different regions. The Asia-Pacific has the largest market for drip irrigation systems. India is the largest market in Asia-Pacific for drip irrigation. The major market players operating in the drip irrigation systems market are focusing on strategic planning, product development activities, and mergers and acquisitions. For instance, in February 2024, the Saudi Drip Irrigation Company, a subsidiary of Mayar Holding, collaborated with the American firm Hunter Industries to design drip irrigation products for a broad spectrum of applications, including agriculture, residential, commercial, and golf courses. The collaboration seeks to transcend conventional manufacturing, focusing on developing innovative water and energy-saving solutions and custom manufacturing within the irrigation sector.

Drip Irrigation Market Trends

Water Scarcity and Rapid Growth in Greenhouse Vegetable Production

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

time management, elimination of human errors, estimation, and adjustment of available soil moisture levels augment the demand for automatic drip irrigation systems. Furthermore, these systems are expected to increase profits generated per yield.

Water scarcity is a primary issue faced by several greenhouse vegetable farmers. As greenhouse vegetables require ample water, farmers are switching to sprinkler and drip irrigation systems to achieve higher crop productivity. Thus, drip irrigation systems are gaining immense popularity in regions, mainly 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 Europe, soilless culture is primarily used to produce greenhouse vegetables.

Asia-Pacific Is The Major Market For Drip Irrigation

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, the increasing population, especially in India and China, food security concerns, improvement in crop productivity, and government initiatives toward sustainable farming practices are strengthening the market growth. For instance, in 2023, under the initiative, Netafim provided drip irrigation systems for tomato growers through four Better Life Farming (BLF) Centers present in the Khajuri, Kolaras, and Pohari regions of the Shivpuri district in Madhya Pradesh. The initiative would increase the tomato crop yield by 40%, resulting in higher adoption of drip irrigation systems in Maharashtra. Moreover, China is involved in water-intensive agricultural practices and consumes the highest proportions of its water, with more than 60% usage in cultivated land. To meet the high population demand for food, efficient irrigation practices are being implemented in the country, resulting in increased cereal production from 618.6 million tons in 2021 to 635.1 million tons in 2022.

Drip Irrigation Industry Overview

The global drip irrigation market is consolidated, with major players occupying most of the market share. Some key players in the market include Netafim Limited, Jain

Irrigation Systems Limited, The Toro Company, Hunter Industries, and Rain Bird Corporation. The most adopted strategy is broadening the product portfolio by introducing new and innovative products into the market. The other prominent players are strengthening their position through partnerships and mergers.

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The market estimate (ME) sheet in Excel format

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