

Drip Irrigation Market by Crop Type, Component (Drip Mainlines/Drip Tubes, Filters & Fertilizer Injectors, Fittings & Accessories, Emitters/Drippers, Pressure Pumps, and Valves), Emitter/Dripper Type, Application and Region - Global Forecast to 2027

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Abstracts

According to MarketsandMarkets, the drip irrigation market size is estimated to be valued at USD 5.2 billion in 2022 and is projected to reach USD 8.3 billion by 2027, recording a CAGR of 9.8% during the forecast period in terms of value. Drip irrigation systems, together with the combination of appropriate crop management practices, improve water use efficiency and crop yield. It enables the uniform application of water to crops, which leads to optimum crop yield, even when there is a limited water supply. The use of drip irrigation in crops has helped farmers to achieve an average of 40%–50% increase in yield. Owing to these factors, the demand for drip irrigation is gaining traction during the forecast period.

“By crop type, the fruits & nuts segment is estimated to grow at the highest CAGR during the forecast period.”

High-profit margins and increasing export demand for fruits & nuts have increased the adoption of drip irrigation products in the fruits & nuts segment. The use of drip irrigation systems in fruit orchards is a prudent process that requires monitoring different parameters to ensure optimal growth. Regions with uneven precipitation are difficult for crop growth, which can result in plant stress during the critical stages of growth. Moreover, the cultivation of fruits such as apples, pomegranates, oranges, papaya, and nuts such as cashews, pistachios, and almonds are among the key factors aiding the growth of drip irrigation systems in the Asia Pacific region. The high export demand for fruit and nut products and the high margin of profits have helped in driving the demand

for drip irrigation systems, especially in the fruits and nuts segment.

“By component, filters & fertilizer injector segment holds the second largest share during the estimated year.”

Filter solutions are sought to overcome poor water quality and the increasing risks of clogging in subsurface systems. The presence of filters is essential in preventing any kind of clogging, and the presence of filters is encouraged in minimizing the effects of salinity as well. Moreover, farms across the Midwestern US and other parts of the country usually derive water for irrigation from creeks, ponds, reservoirs, and water catchment tanks, which, in most cases, may contain algae as well as sand. The use of filters, in this case, helps the farmers avoid clogging, especially in the US farms. All these benefits of filters & fertilizer injectors is responsible for the large market share.

“By application, subsurface segment is estimated to witness the steady growth rate over the forecast period.”

Advancements in fertigation and inline emitter technologies is driving the growth of the subsurface segment. Subsurface irrigation usually works at relatively low pressure and delivers small flow rates. Irrigation water required in the subsurface application should be of good quality to avoid excessive soil salinity. It also provides other advantages such as less nitrate leaching, higher yields, and dry soil surface for weed control. Moreover, it helps in the safe irrigation of wastewater. Additionally, the demand for subsurface equipment remains high in China and India in the Asia Pacific for crops such as sugarcane and grapes. However, the adoption of subsurface equipment in these countries is limited to large farm owners and institutional farming due to the high setup costs involved.

“North America holds the second largest share during the estimated year. ”

In North America, most irrigated areas use groundwater as it is the only reliable water resource and is used in conjunction with pressurized irrigation equipment or pumping. This region has continued to be a major consumer of drip irrigation systems. The favorable federal policies toward the adoption of drip irrigation due to concerns over water scarcity and federal tax cuts are factors projected to further improve the growth prospects for drip irrigation systems in the region.

The North American region is among the largest producers of corn and soybean that contribute significantly to the economic conditions of the Midwest US, which is also the

source of exports to other countries.

The drip irrigation market is segmented region-wise, with a detailed analysis of each region. These regions include North America, Europe, Asia Pacific, South America, and RoW (Africa and Middle East).

Breakdown of Primaries:

In-depth interviews have been conducted with various key industry participants, subject-matter experts, C-level executives of key market players, and industry consultants, among other experts, to obtain and verify critical qualitative and quantitative information, as well as to assess future market prospects. The distribution of primary interviews is as follows:

By Company Type: Tier 1- 70%, Tier 2- 25%, and Tier 3- 5%

By Designation: C-level- 50%, D-level- 30%, and Others- 20%

By Region: Asia Pacific- 45%, Europe- 12%, North America- 21%, Rest of the World- 12%, and South America - 10%

Leading players profiled in this report include the following:

Jain Irrigation Systems Ltd. (India)

Lindsay Corporation (US)

The Toro Company (US)

Rivulis (Israel)

DRIPWORKS (US)

Irritec S.p.A (Italy)

Goldenkey (UAE)

KSNM DRIP (India)

Raindrip, Inc. (US)

Agrodrip Sulama Sistemleri San. Tic. Ltd. ?ti. (Greece)

Irrigation Direct Canada (Canada)

Hunter Industries Inc. (US)

Netafim (Israel)

Rain Bird Corporation (US)

Chinadrip Irrigation Equipment Co., Ltd. (China)

Elgo Irrigation Ltd. (Israel)

Shanghai huawei water saving irrigation corp. ltd. (China)

Antelco pty ltd. (Australia)

Mahindra EPC Ltd (India)

Microjet Irrigation Systems (South Africa)

Alkhorayef Group (Saudi Arabia)

Metzer Group (Israel)

Grupo Chamartin S.A. (Spain)

Azud (Spain)

Metro Irrigation (India)

Research Coverage

This report segments the drip irrigation market on the basis of crop type, application,

Drip Irrigation Market by Crop Type, Component (Drip Mainlines/Drip Tubes, Filters & Fertilizer Injectors, Fit...

emitter type, component, and region. In terms of insights, this research report focuses on various levels of analyses—competitive landscape, and company profiles—which together comprise and discuss the basic views on the emerging and high-growth segments of the drip irrigation market, high-growth regions, countries, drivers, restraints, opportunities, and challenges.

Reasons to buy this report

To get a comprehensive overview of the drip irrigation market

To gain wide-ranging information about the top players in this industry, their product portfolio details, and their position in the market

To gain insights into the major countries/regions, in which the drip irrigation market is flourishing

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(USD MILLION)

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11.5 SOUTH AMERICA

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TABLE 279 ROW: DRIP IRRIGATION MARKET SIZE, BY APPLICATION, 2019–2021 (USD MILLION)

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(USD MILLION)

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(‘000 HA)

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(USD MILLION)

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11.6.1 EGYPT

11.6.1.1 Innovations in irrigation technologies to drive adoption in Egypt

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(‘000 HA)

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(‘000 HA)

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(USD MILLION)

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(USD MILLION)

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(USD MILLION)

11.6.2 SOUTH AFRICA

11.6.2.1 Increasing adoption of low-pressure emitters and driplines amongst farmers

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11.6.3 SAUDI ARABIA

11.6.3.1 Fruits & nuts segment to be fastest-growing consumer of drip irrigation

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11.6.4.1 Low-cost installation and ease of operation to boost demand for hydroponic market

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TABLE 307 OTHERS IN ROW: DRIP IRRIGATION MARKET SIZE, BY CROP TYPE, 2019–2021 (USD MILLION)

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12.2 MARKET SHARE ANALYSIS, 2021

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12.3 HISTORICAL REVENUE ANALYSIS OF KEY PLAYERS

FIGURE 36 TOTAL REVENUE ANALYSIS OF KEY PLAYERS, 2017–2021 (USD

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12.4 COMPANY EVALUATION QUADRANT (KEY PLAYERS)

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12.4.2 PERVASIVE PLAYERS

12.4.3 EMERGING LEADERS

12.4.4 PARTICIPANTS

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