

Sprinkler Irrigation Systems Market by Type (Center Pivot, Lateral Move, Solid Set), Crop Type (Cereals, Oilseeds & Pulses, Fruits & Vegetables), Field Size (Small, Medium, Large), Mobility (Stationary, Towable), and Region - Global Forecast to 2025

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Abstracts

“The sprinkler irrigation system market is projected to grow at a CAGR of 1.9%; shift from traditional irrigation methods to technologically advanced irrigation systems is a key factor driving the market.”

The sprinkler irrigation system market is estimated at USD 2.4 billion in 2019 and is projected to grow at a CAGR of 1.9%, to reach USD 2.7 billion by 2025. The growth of the sprinkler irrigation system market is driven by shift from traditional irrigation methods to technologically advanced irrigation systems that uses irrigation controllers, which significantly impacts the demand for sprinkler irrigation systems.

“The center pivot segment dominated the market with the largest share in 2019.”

On the basis of type, the sprinkler irrigation system market is classified into center pivot, lateral move, solid set, and others. Center pivot systems can be used on various field sizes and have lower annual operating costs as compared to the lateral move and subsurface irrigation systems; hence, this segment is estimated to dominate the sprinkler irrigation market in 2019. However, the solid set segment is projected to grow at the highest CAGR during the forecast period due to its easy-to-operate characteristics and its growing demand in developing countries for the irrigation of smaller fields, gardens, and forages.

“The cereals segment accounted for the largest share in the sprinkler irrigation market

in 2019.”

Based on the crop type, the cereals segment is projected to hold a major share in the sprinkler irrigation system market in 2018. Cereal and oilseed crops are mainly cultivated in large fields, where mechanized irrigation is increasingly used. Moreover, irrigation scheduling facility based on climatic conditions, land topography, and the crop type, in cases of crop rotations, promotes the use of mechanized systems. Due to the advantages of efficient water management and reduced labor requirements, there is an increased demand for mechanized systems for the irrigation of fields with cereal and oilseed crops.

“The stationery segment holds a major market share in the sprinkler irrigation system market in 2018.”

Based on mobility, the stationery segment is projected to hold the largest market share between 2019 and 2025. Stationary systems are more conventional, whereas towable systems are relatively new and more efficient. Hence, the adoption of these systems remain high in various regions. Furthermore, solid set systems are commonly used in developing countries such as India, South Africa, and a few Middle Eastern countries due to their easy-to-operate characteristics and low operating costs.

“High growth is projected in the Asia Pacific sprinkler irrigation system market.”

The Asia Pacific is projected to be the fastest-growing market for the period considered for this study due to the increasing adoption of sprinkler irrigation systems over flood irrigation. The key APAC markets are China, India, Australia, and Japan, which are projected to witness an increasing use of irrigation systems, annually, over the last five years. Australia offers high growth potential for the mechanized irrigation systems market due to the extensive availability of agricultural land and increasing demand for mechanized systems in the cultivation of various crops. Although the area covered under sprinkler irrigation is less, the growth prospects in this region are higher for the market as compared to the other countries. China and India occupy a major share in the APAC market for sprinkler irrigation, wherein the demand for solid set irrigation systems is the highest in India, and for center pivot systems is witnessed to be higher in China. The major factors driving the APAC mechanized irrigation systems market are increased awareness of water management in the agricultural sector and reduced labor costs associated with the mechanized system.

Break-up of Primaries:

Sprinkler Irrigation Systems Market by Type (Center Pivot, Lateral Move, Solid Set), Crop Type (Cereals, Oilse...

By Company Type: Tier 1 - 85%, Tier 2 - 8%, and Tier 3 - 7%

By Designation: D-level - 40%, C-level - 40%, and Others* - 20%

By Region: Asia Pacific – 46%, Europe 19%, North America - 11%, South America - 12%, and RoW** - 12%

*Others include sales managers, marketing managers, and product managers.

**RoW includes Africa and the Middle East.

Leading players profiled in this report:

Valmont Industries

Lindsay Corporation (US)

Jain Irrigation Systems Ltd. (India)

The Toro Company (US)

Rivulis Irrigation Ltd. (Israel)

Netafim Limited (Israel)

Rain Bird Corporation (US)

T-L Irrigation (US)

Reinke Manufacturing (US)

Nelson Irrigation Corporation (US)

Hunter Industries (US)

Mahindra EPC Ltd. (India)

Alkhorayef Group (Saudi Arabia)

Elgo Irrigation Ltd. (Israel)

Antelco Pty Ltd. (Australia)

Irritec S.p.A (Italy)

Research Coverage:

The report segments the sprinkler irrigation system market on the basis of type, crop type, mobility, field size, and region. In terms of insights, this report has focused on various levels of analyses—the competitive landscape, end-use analysis, and company profiles, which together comprise and discuss views on the emerging & high-growth segments of the global hydroponics, high-growth regions, countries, government initiatives, drivers, restraints, opportunities, and challenges.

Reasons to buy this report:

To get a comprehensive overview of the sprinkler irrigation system market

To gain wide-ranging information about the top players in this industry, their product portfolios, and key strategies adopted by them

To gain insights about the major countries/regions, in which the sprinkler irrigation system market is flourishing

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About

The report, “Mechanized Irrigation Systems Market by Type (Center Pivot, Lateral Move, Solid Set, & Others), Application (Agricultural Crops, Nursery Crops, and Lawns & Gardens), & by Region - Global Trends & Forecast to 2019” defines and segments the global market with analyses and projection of the size and trends, in terms of value.

The mechanized irrigation systems market, in terms of value, is projected to reach \$4,840.80 million by 2019, at a CAGR of around 15.3% from 2014.

Factors such as increasing use of technology, rising population, increasing food requirements, and focus on efficiency-increasing technologies for sustainable agriculture are the major drivers of the mechanized irrigation systems market. The global market is projected to grow at an unprecedented rate over the last five years. The growth is largely fueled by growing water scarcity concerns as well as resource and yield optimization. This growth is particularly higher in regions such as North America and Asia-Pacific. The mechanized irrigation systems market is dynamic, with the presence of a large number of global manufacturers and suppliers. Mechanized irrigation systems are very important as they improve the performance and yield of agricultural produce, thus benefiting the farmers.

Mechanized irrigation systems are classified into center pivot, lateral move, solid set, and others (travelling guns, permanent sets, side rolls, and mobile irrigation systems). The center pivot segment dominated the mechanized irrigation systems market, having contributed a 48.80% share in 2013. Centre pivot systems are capital-intensive investments but a slightly higher capital investment up-front can reduce operating costs over the life of the system. The solid set segment is projected to gain popularity in the next five years as it requires less labor. The key applications of mechanized irrigation systems are in agricultural crops, nursery crops, and lawns & gardens.

The trend of using highly sophisticated methods to reduce resource costs has led to the adoption of mechanized irrigation techniques for agriculture, cultivation, and plantation, and has caused increased demand for mechanized irrigation systems. The Indian and Chinese markets for mechanized irrigation systems are turning out to be crucial pockets, due to increasing governmental support to multi-nationals and financing farmers to purchase agricultural equipment. These countries are projected to offer immense potential to mechanized irrigation system manufacturers, due their high population density and agriculture being their most prevailing occupation.

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