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Global Drip Irrigation Pipes for Field Crops Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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Abstracts

According to our (Global Info Research) latest study, the global Drip Irrigation Pipes for Field Crops market size was valued at US$ 482 million in 2025 and is forecast to a readjusted size of US$ 663 million by 2032 with a CAGR of 4.1% during review period.

Field crop drip irrigation pipes are water-saving irrigation systems designed specifically for large-scale, open-air cultivation environments. Through emitters distributed throughout the pipes, they deliver water and nutrients directly to the root zone of crops in a precise and uniform manner, significantly improving water and fertilizer utilization efficiency. Global sales of agricultural drip irrigation pipes will reach 3.9 billion meters in 2025, with an average selling price of US$0.12 per meter. The upstream supply chain primarily involves the supply of raw materials and core components, including high-density polyethylene (HDPE) for pipes, drippers, filters, and fertilization devices. The midstream encompasses the production, manufacturing, and system integration of drip irrigation pipes, involving processes such as dripper inlaying and labyrinthine flow channel construction. The downstream supply chain is used for irrigation of field crops such as cotton, corn, and potatoes. The core value of field crop drip irrigation pipes lies in efficient water conservation and precise fertilization. They deliver water and nutrients directly to the crop root zone, reducing evaporation and runoff losses. Combined with integrated water and fertilizer technology, they significantly improve resource utilization.

The main market drivers include:

Dual Driving Force of Policy Support and Agricultural Water Conservation Demand

The global water shortage problem is becoming increasingly severe. As a major water

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user, agriculture's demand for water conservation has become the core driving force for the development of the drip irrigation pipe market. Governments worldwide are incorporating drip irrigation technology into the core of their agricultural modernization strategies through legislation and financial subsidies. For example, China, through a three-dimensional policy system of 'national planning + local subsidies + standards and regulations,' explicitly requires that the area under water-saving irrigation exceed 60%, and provides substantial subsidies for drip irrigation equipment in arid regions, directly reducing farmers' transition costs. Major agricultural countries such as India and the United States have also increased subsidies to promote the transformation of drip irrigation systems from demonstration projects to large-scale applications. Policy dividends not only promote technology popularization but also force enterprises to optimize production processes, drive industrial upgrading, and form a virtuous cycle of 'policy guidance - technology iteration - market expansion.'

Market Growth Driven by the Demand for Large-Scale Planting and Efficiency Upgrades

The trend of large-scale agricultural operations is accelerating, with family farms, cooperatives, and agricultural enterprises becoming the main consumer groups for drip irrigation pipes. Compared to traditional smallholder farmers, large-scale operators place greater emphasis on return on investment and long-term benefits. Drip irrigation pipes, through their 'precision water supply + integrated water and fertilizer management' function, increase crop yields by 15%-20% while reducing fertilizer loss by over 30%, becoming a core tool for cost reduction and efficiency improvement. For example, in major field crop producing areas such as corn and wheat, frequent droughts due to climate change mean that drip irrigation technology can significantly reduce the impact of extreme weather on yields, accelerating the adoption of this technology in these areas. Furthermore, land transfer policies promote the concentrated and contiguous management of arable land, providing suitable land for the large-scale application of drip irrigation systems and further releasing market demand.

Technological iteration and cost reduction drive increased market penetration

Advances in materials science and manufacturing technology provide technical support for the expansion of the drip irrigation pipe market. Mature domestic HDPE and PVC raw material processes have reduced the unit price of drip irrigation pipes by 18% compared to five years ago. Simultaneously, technological breakthroughs in anti-clogging, aging-resistant, and recyclable materials extend the product's lifespan to 5-8 years, reducing long-term maintenance costs for farmers. The integration of intelligent technologies is reshaping the user experience: IoT sensors monitor soil moisture in real

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time, and AI algorithms dynamically adjust irrigation strategies to achieve precise 'on-demand water supply' control. For example, after introducing intelligent drip irrigation systems, vineyards in Ningxia dynamically adjust irrigation frequency according to growth stages, resulting in significant water savings. Decreasing technology costs and economies of scale are accelerating the commercialization of intelligent drip irrigation, driving market penetration from cash crops to field crops, and forming a dual-track development pattern of 'high-end customized + universally accessible products.'

This report is a detailed and comprehensive analysis for global Drip Irrigation Pipes for Field Crops market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global Drip Irrigation Pipes for Field Crops market size and forecasts, in consumption value ($ Million), sales quantity (Meter), and average selling prices (US$/Meter), 2021-2032

Global Drip Irrigation Pipes for Field Crops market size and forecasts by region and country, in consumption value ($ Million), sales quantity (Meter), and average selling prices (US$/Meter), 2021-2032

Global Drip Irrigation Pipes for Field Crops market size and forecasts, by Type and by Application, in consumption value ($ Million), sales quantity (Meter), and average selling prices (US$/Meter), 2021-2032

Global Drip Irrigation Pipes for Field Crops market shares of main players, shipments in revenue ($ Million), sales quantity (Meter), and ASP (US$/Meter), 2021-2026

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for Drip Irrigation Pipes for Field Crops

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To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global Drip Irrigation Pipes for Field Crops market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Netafim, The Toro Company, Jain Irrigation Systems, Rain Bird Corporation, Rivulis Irrigation, Hunter Industries, Elgo Irrigation, Xinjiang Tianye, Saving Irrigation System Co Ltd, Dayu Water-saving Group Co., Ltd, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

Drip Irrigation Pipes for Field Crops market is split by Type and by Application. For the period 2021-2032, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Surface Drip Irrigation

Subsurface Drip Irrigation

Market segment by Technology

Pressure-Compensated Drip Irrigation Pipe

Non-Pressure-Compensated Drip Irrigation Pipe

Market segment by Sales Channel

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Online Sales

Offline Sales

Market segment by Application

Cotton

Potatoes

Corn

Other

Major players covered

Netafim

The Toro Company

Jain Irrigation Systems

Rain Bird Corporation

Rivulis Irrigation

Hunter Industries

Elgo Irrigation

Xinjiang Tianye

Saving Irrigation System Co Ltd

Dayu Water-saving Group Co., Ltd

EPC Industries

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Shanghai Huawei Water

Saving Irrigation

Chinadrip Irrigation

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Drip Irrigation Pipes for Field Crops product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Drip Irrigation Pipes for Field Crops, with price, sales quantity, revenue, and global market share of Drip Irrigation Pipes for Field Crops from 2021 to 2026.

Chapter 3, the Drip Irrigation Pipes for Field Crops competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Drip Irrigation Pipes for Field Crops breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2021 to 2032.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2021 to 2026.and Drip Irrigation Pipes for Field Crops market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Drip Irrigation Pipes for Field Crops.

Chapter 14 and 15, to describe Drip Irrigation Pipes for Field Crops sales channel, distributors, customers, research findings and conclusion.

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