

# How the Internet of Things Affects Smart Agriculture

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**Abstract.** Agriculture is one of the oldest economic enterprises, having given a means of subsistence for thousands of years. Human-centred farming approaches are becoming expensive. Smart agriculture and farming technology, " have arisen as new scientific disciplines that use data-intensive methods to increase agricultural productivity while decreasing environmental effects. Seasonal climatic conditions are altering critical assets like land, water, and air as a result of these cultivating methods, resulting in food insecurity. In today's world, technology is constantly advancing, and a wide range of agricultural products and methods are available. In the agricultural industry, knowledge processing is the IoT option. All information may be obtained using the given sensors. Risk reduction, industry automation, higher productivity, animal inspection, environmental monitoring, greenhouse roboticization, and crop monitoring Almost every industry, including smart agriculture, has been affected by (IoT)-based technology, which has shifted the industry's focus from factual to statistical. The implications of the paper's smart agricultural invention are highly dangerous. In this methodology, we divide farming into two sections. Crop field as the production process is done and the warehouse as the store harvest. Multiple sensors can detect the changes around the field and the farmers can get to know the situation about the crops and the field through the system. IoT is utilized in agriculture to increase time efficiency, water saving, crop monitoring, soil management, insect spray, chemical safety, and other areas. It also removes human work, deconstructs agricultural practices, and makes a difference in the application of smart farming.

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