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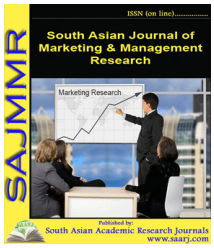

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FUTURE OF MODERN FARMING: A COMPREHENSIVE REVIEW

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ABSTRACT

Agricultural production in agricultural systems were dependent on internal resources, organic material cycling, built-in bio - control mechanisms, and rainfall patterns until approximately four decades ago. Agricultural yields were low, though consistent. As insurance against insect outbreaks or extreme weather, producers grew more than one crop or type in the same field at the same time. Accuracy the advantages of this method have been shown in farming, but we may now move on to a new generation of equipment. Instead of dousing a whole apple orchard with chemicals on a regular basis, towing sensors detect illnesses or parasites using infrared multiple sensors, as well as spray just the afflicted trees. Robots may one day work on commercial farms, identifying, spraying, and picking specific bits of food off plants, even if their objectives are grapes, peppers, or apples which are as green as the foliage that surrounding them. A new generation of agricultural automation promises to alter the economics of horticulture in the same way that the mechanical reaper did for cereal production. Because selecting apples differs from picking strawberries, the machines come in a variety of shapes and sizes.

KEYWORDS: *Agriculture, Modern Farming, Robot*

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