

# Application of remote sensing in agriculture pdf

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Remote sensing is the process of obtaining information about objects without coming in contact with them. The carrier of information in remote sensing is electromagnetic radiation. A traditional approach of using remote sensing techniques in agriculture has been around even before, when the term "remote sensing" was first introduced [1]. applications of remote sensing in PA for (i) irrigation water management, (ii) nutrient management, (iii) disease management, (iv) weed management, and (v) crop yield prediction. The developed integrated system produced a cabbage coverage map that provided information on cabbage growth that could be used for agricultural land management, assessment of the potential for remote sensing in agriculture. The Normalized difference vegetation Indicator, introduced by Rouse et al., Remote sensing is an advanced technique for collecting data by the reflectance of the electromagnetic radiations involving satellites, aircraft and ground-based and its application in agriculture Monitoring agriculture from remote sensing is a vast subject that has been widely addressed from multiple viewpoints, sometimes based on specific applications (e.g. Precision farming using remote sensing offers the tools and. precision farming, yield prediction, irrigation, weed detection), on specific remote sensing platforms (e.g. satellites, Unmanned Aerial Vehicles -UAV-, Unmanned Ground Vehicles -UGV-) or sensors (e.g. For example, aerial photography has been used to map soils, land use, and crop conditions in the United States during the 1950s and 1960s [2] spectral, and temporal ones. technologies for analysing data required for better agricultural methods and higher crop yield. into direct contact with the object. Errors can be large when latent heat loss is estimated from the difference between net radiation and sensible heat flux. The unprecedented availability of high resolution (spatial, spectral and temporal) satellite images has promoted the use of remote sensing in many PA applications, including employing remote sensing indices to provide a synoptic view of regional agricultural conditions.

 Difficulté Très facile

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Étape 1 -

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