
Future Research on Application of GPS/GIS/RS for Farmcrops Temporal Arrangement

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Abstract

Currently, farmcrops temporal arrangement is constrained by the generally inadequate treatment of spatial simulation in terms of socioeconomic and ecological information, resulting in artificially deflected planning. For farming in the future, positional information is of particular importance. In this paper, a description is given of the farmcrops temporal arrangement method, to reduce errors and time in precision farming, based on GPS/GIS/RS and planning techniques currently being used in many institutions together with respective approaches, usability, and trends. The system, being presented here, appears to be particularly suited to data processing and data analysis incorporating image segmentation with location sensing, which will help to combine the advantage of small field sample locations with large-scale, cost-efficient image processing methods.
