



WebGIS – an application of agriculture information system at district level

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Abstract: Present paper reports a web-based Agriculture Information System which has been developed to provide an effective approach to agro-chemical applications. This approach involves development of tools that will regulate the amount of crop input applied to a field based on the actual need. A key component to this approach is the utilization of GIS technology -WebGIS. GIS provides visual integration of all the data sources tied to an agricultural field and allows farmers to identify within-field variability of their systems with ease. This approach uses GIS to incorporate spatial information such as soil type, type of crop and existing nutrient level of the soil with the agro-chemical application process. Addition of spatial information to the process allows the farmer to consider within-field variation to adjust the amount of chemicals to be applied based on the actual need at the sub-field level.

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