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Vegetation Indices for Crop Management: A Review

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Abstract

For qualitative and quantitative analysis of vegetation, Vegetation Indices (VI) are most effective and quite simple algorithms. These vegetation indices are widely used in agricultural application. The spectral signature of vegetation areas presents mixture of reflectance from vegetation, shadow, environmental effects, soil properties like color, texture, chemical composition, moisture etc. To study these vegetation properties proper vegetation indices should be applied. So this paper summarizes vegetation indices used and remote sensing applications in crop management.

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