

Research Article

Assessment of soil sodicity problem in part of Cauvery command area of Karnataka

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Summary

The interpretation of geo coded IRS-P6 LISS-IV MX imageries coupled with ground truth and soil studies indicated water logging and the presence of alkali soils as numerous white spots associated with cropped area in part of Cauvery Command area of Mandya district of Karnataka state, India. The alkali soils are noticed near vicinity of canal, low land areas in patches. The presence of high percentage of sodium resulted in high ESP and high pH. The Alkali soils were characterized as very deep with pale brown to light yellow brown soil matrix and few to common yellowish brown mottles in the sub-surface horizons.

Key words : Cauvery command area, Alkali soil, Imageries

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