

Research Article

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Physical properties of irrigated soils of Dev Bhumi Dwarka district of Gujarat

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Summary

Thirty surface (0-15 cm) soil samples were collected from each talukas of Dev Bhumi Dwarka district viz., Kalyanpur, Dwarka, Khambhalia and Bhanvad. The physical characteristics of the soils were determined by using standard methods. The soils of Dev Bhumi Dwarka have overall values of bulk density, particle density, total porosity, MWHC and expansion varied from 1.21 to 1.57, 2.20 to 2.79 Mg m⁻³, 34.82 to 53.51, 32.03 to 55.34 and 6.52 to 22.65 per cent with mean value of 1.36, 2.44 Mg m⁻³, 44.09, 43.76 and 13.53 per cent, respectively.

Key words : Physical properties of soils, Bulk density, Particle density, Porosity, MWHC

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