

Research Article

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Physico-chemical properties of experimental farm of Sasrd, Nagaland in relation to land uses

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Summary

The effect of land use on soil physico-chemical properties were studied from five land uses, viz., banana orchard, bench terrace, contour terrace, forest north-facing and forest south-facing of experimental farm of School of Agricultural Sciences and Rural Development (SASRD), Medziphema Campus, Nagaland University during 2014-15. The soils of the study area were acidic in reaction, varied from 4.33 to 5.00, high in organic carbon and low to medium in cation exchange capacity. Bulk density in banana orchard and forest north-facing was 8.1 per cent higher than contour terrace. Lowest particle density was found in contour terrace. The water holding capacity in forest north-facing was significantly higher over all other land uses and was influenced by mechanical composition and organic matter content in soils.

Key words : Land uses, Physico-chemical properties

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