

Research Article

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Study of changes in soil chemical properties of Asma village of Valsad district

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Summary

A study was carried out to examine the changes in soil chemical properties and crop yields in a area of Asma village of Valsad district (Gujarat). The result showed that the mean values of soil pH and EC were increased with time. Although, average values of organic carbon, available P and available K were decreased year by year. Also difference between maximum and minimum values of soil pH, EC, organic carbon, available P and available K become larger with time due to greatly different in fertilizer application between farmers. Though the yields of crops were increased with cultivation of hybrid varieties but the changes in soil nutrient status have shown there might be need to improve soil management with application of organic and biofertilisers to sustain the fertility of the soil.

Key words : Chemical fertilizers, Soil, Nutrients, Soil health

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