

农学—研究报告

宁乡县植烟土壤养分丰缺状况分析

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摘要:

为查明宁乡县植烟土壤养分丰缺状况, 对宁乡县9个产烟乡镇的154个土壤样品的主要理化性状进行分析。结果表明: 全县植烟土壤平均pH 5.79, 有机质43.60 g/kg, 碱解氮174.38 mg/kg, 速效磷19.38 mg/kg, 速效钾87.81 mg/kg, 交换性镁1.36 cmol/kg, 有效硼0.40 mg/kg, 有效锌1.74 mg/kg, 有效硫28.35 mg/kg。全县植烟土壤pH和有效锌、有效硼、交换性镁含量适宜; 有机质、碱解氮含量较高; 部分乡镇有效硫、速效磷含量偏高, 速效钾供应明显不足。不同植烟乡镇土壤肥力特征有较大的差异。提出降氮、控磷硫、增钾、适当补施微肥的施肥建议。

关键词: 宁乡县

Analysis of Nutrients in Tobacco Growing Soils of Ningxiang County

Abstract:

In order to investigate nutrients in tobacco growing soils of Ningxiang County, 154 soil samples were collected and analyzed from 9 tobacco growing towns in Ningxiang County. The results showed that the average soil pH value was 5.79, the average contents of organic matter was 43.60 g/kg, available N was 174.38 mg/kg, available P was 19.38 mg/kg, available K was 87.81 mg/kg, exchangeable Mg was 1.36 cmol/kg, available B was 0.40 mg/kg, available Zn was 1.74 mg/kg, available S was 28.35 mg/kg. The pH value, available Z, available B and exchangeable Mg content were appropriate in tobacco-growing soil of the whole county. The content of organic matter and available N were higher. The content of available S and available P were superfluous in some tobacco-growing areas. The supply of available K was obviously deficient. The soil fertility characteristics had greater difference among different tobacco-growing towns. The fertilization suggestion of decreasing N, controlling P and S, increasing K, proper complementing micro-fertilizer in the tobacco-growing areas of Ningxiang County were recommended.

Keywords: Ningxiang county

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