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云南农业大学学报(自然科学) » 2011, Vol. 5 » Issue (3) :382-389 DOI:

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丽江市植烟土壤养分丰缺状况评价

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Evaluation of Nutrient Contents of Tobaccogrowing Soils in Lijiang

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摘要

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摘要 为研究丽江金沙江区域烟田土壤养分状况,于2008~2009年连续两年对丽江主要植烟土壤进行养分状况普查,2008年共采集土样273个,2009年采集土样75个。结果表明:(1)丽江土壤pH整体处于适宜范围,玉龙土壤pH为最适宜地区;(2)土壤有机质含量较高,大于35 g/kg的比例超过60%;(3)土壤速效氮、速效磷、速效钾含量适宜至较高,2009年比2008年有所上升;(4)土壤有效钙、有效镁含量高至极高;(5)土壤有效锌含量基本能满足烤烟生长需求,土壤有效硼部分地区存在缺乏,缺乏比例为10.6%;(6)79.8%土壤氯离子含量小于45 mg/kg,处于适宜范围

关键词: 土壤养分 评价 烤烟 丽江

Abstract: To study tobacco growing soil nutrient contents in Lijiang Jinshajiang River, 273 tobacco growing soil samples were collected in 2008 and 75 tobaccogrowing soil samples collected in 2009. The contents of soil nutrient were measured. The results showed that (1) the pH values were suitable as a whole, Yulong was the most suitable area. (2) The contents of organic matter were on the high level, the proportion of organic matter contents which exceeded 35 g/kg was more than 60%. (3) Contents of available nitrogen (N), available phosphorus (P) and available potassium (K) were suitable or on the high level. And Contents of available N, available P and available K in 2009 were higher than those in 2008. (4) The contents of exchangeable calcium (Ca) and exchangeable magnesium (Mg) were high or very high. (5) Contents of available zinc (Zn) could satisfy the need of flue cured tobacco. Contents of available boron (B) were low in some area. (6) The proportion of chloride (Cl⁻) whose contents were under 45 mg/kg was 79.8%.

Keywords: soil nutrient evaluation flue cured tobacco Lijiang

Fund:

中国烟草总公司重大科技专项及云南省烟草公司项目(09YN022); 云南省应用基础研究项目(2008ZC051M)

引用本文:

王博1, 杨焕文1**, 李佛琳1, 段树苍2, 陈茂建2, 李成杰2, 蔡寒玉2, 易建华3.丽江市植烟土壤养分丰缺状况评价[J] 云南农业大学学报(自然科学), 2011,V5(3): 382-389

WANG Bo1,YANG Huan-wen1, LI Fo-lin1,DUAN Shu-cang2, CHEN Mao-jian2,LI Cheng-jie2, CAI Han-yu2, YI Jian-hua3.Evaluation of Nutrient Contents of Tobaccogrowing Soils in Lijiang[J] Journal of Yunnan Agricultural University, 2011,V5(3): 382-389

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