

水产—研究报告

广东省典型地区福寿螺越冬后的种群密度调查研究

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摘要:

摘要 福寿螺作为一种入侵生物, 已对广东地区农业生产造成极大的危害。为了了解广东省不同地区福寿螺种群的越冬及其恢复状况, 本研究在2010年3月底以前调查了广东省6个典型地区(汕头、韶关、肇庆、增城、茂名、湛江)三种不同生境(水田、旱地、水渠)下的福寿螺种群密度, 研究不同土地利用类型、不同地区福寿螺密度差异情况。结果表明: 三种不同土地利用方式福寿螺的密度差异显著, 水渠最多, 水田次之, 旱地最少; 不同地区之间水田和水渠中福寿螺密度存在一定差异, 有些地区之间达显著水平; 总体而言, 汕头、肇庆、湛江、茂名、韶关、增城单位面积福寿螺的种群数量依次增加; 土地利用与管理方式可能是造成福寿螺在不同地区总体密度差异的主要原因; 利用福寿螺作为饲料, 发展养殖业, 能实现变废为宝; 实施水旱轮作, 能减少福寿螺的暴发危害。关键词 福寿螺 生物入侵 密度 调查

关键词: 福寿螺; 生物入侵; 密度; 调查

Investigation on Golden Apple Snails after Winter in Some Typical Regions of Guangdong

Abstract:

Abstract As a alien invasive species, golden apple snail has caused great harm to agricultural production in Guangdong Province. The density of snails was investigated after winter time for three habitats (paddy field, dry land, drainage and irrigation channels) in six regions including Shantou City, Shaoguan City, Zhaoqing City, Zengcheng City, Maoming City and Zhanjiang City, Guangdong province to see differences among different land use types and different regions. The results showed that the density of apple snail were significantly different in three kinds of habitats with an change order: drainage and irrigation channels>paddy fields>dry lands. Density of apple snails had some significant differences among paddy fields and drainage and irrigation channels of different regions, Overall, the density of apple snails changed with an order of Shantou

Keywords: apple snail biological invasion density investigation

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