

植物保护

昆明地区蚕豆小麦间作控制南美斑潜蝇危害的研究

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摘要 分别于2003~2004年11月至翌年4月, 对昆明地区蚕豆小麦不同行比间作模式下南美斑潜蝇的发生危害规律进行了系统的调查研究。结果表明, 蚕豆和小麦行比为1:4, 1:6种植模式对南美斑潜蝇的控制作用明显高于1:2种植模式, 在1:4, 1:6种植模式下, 南美斑潜蝇的虫情指数最低, 分别为22.02%, 18.04%; 相对防治效果最高, 分别达到34.26%, 37.63%; 成虫虫口减退率最高, 分别为36.74%, 59.78%; 经方差分析, 处理1:4, 1:6为控制南美斑潜蝇最佳种植模式。

关键词 [南美斑潜蝇](#) [间作](#) [生物多样性](#) [害虫控制](#)

分类号

Study on the Control of the *Lirimyza sativae* (Blanchard) by Using the Inter planting of Broad Bean with Wheat at Different Row ratio in Kunming

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Abstract

Study on the control of the *Lirimyza sativae* (Blanchard) on broad bean by using the inter planting of broad bean with wheat at different row ratio was carried out in Kunming, from November to the next April in 2003 and 2004. Results showed that control effects at inter planting system of 1:4 and 1:6 for broad bean and wheat higher than 1:2, and attained the highest control efficacy for the *L. sativae* (Blanchard). The pest index was 22.0% and 18.04% for 1: and 1:6 inter planting system, separately. The control efficacy and population decrease of the adult of *L. sativae* (Blanchard) was 34.26% and 37.63%, 36.74% and 59.78% for the row ratio of 1:4 and 1:6, separately. So that, the inter planting system with a row ratio of 1:4 or 1:6 was the suitable planting system for the control of the *Lirimyza sativae* (Blanchard) on the broad bean.

Key words [Lirimyza huidobrensis \(Blanchard\)](#) [Inter cropping](#) [bio diversity](#) [pest control](#)

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