

植物保护—研究报告

石河子白星花金龟发生为害调查研究

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摘要:

白星花金龟Postosia brevitarsis Lewis近年来对石河子市区农林作物为害严重, 调查了白星花金龟在石河子发生、为害情况。研究结果表明: (1) 石河子市区白星花金龟从5月初开始出土为害, 6月中旬为盛期。5月25日至6月23日诱集的白星花金龟占总诱集量的59.2%; 6月27日至7月29日诱集的白星花金龟占总诱集量的24.0%; 两者相加占总诱集量的83.2%。(2) 5种配方糖醋液(配方1糖:醋:水:酒=3:1.5:5:1; 配方2: 糖:醋:水:酒=3:6:9:1; 配方3: 糖:醋:水:酒=4:3:2:1; 配方4: 糖:醋:水:酒=3:4:2:1; 配方5: 糖:醋:水:酒=1:4:16:1)对白星花金龟的诱集作用从高到低依次为: 配方3>配方1>配方5>配方4>配方2。(3) 室内饲养白星花金龟成虫寿命可达近9个月。平均单雌累计产卵量为35~72粒。室内(25℃)卵孵化率100%, 卵期7天左右。(4) 白星花金龟在石河子地区目前主要分布在石河子市、郊区及周边较近的农牧团场, 其它农牧团场尚未发现。石河子地区10多种主要农、果、林植物都发现有白星花金龟为害, 其中玉米、向日葵、葡萄受害较重。

关键词: 为害

Investigation on Occurrences and Damages of Postosia brevitarsis lewis in Shihezi

Abstract:

Postosia brevitarsis lewis damaged seriously to farming and forestry in Shihezi in recent years. Its occurrence and damage were investigated. The results showed: (1) Postosia brevitarsis lewis occurred and damaged from the earth at the beginning of May, and the population peak of P brevitarsis Lewis occurred in the middle of June. The number of trapped occupied 59.2% and 24.0% of all the chafers trapped from May 25 to June 23 and from June 27 to July 29 separately. The trapping amount of the two together occupied 83.2% of the total. (2)The attraction impacts of the five formulas of sugar-vinegar mixture for the chafers showed that: formula 3>1>5>4>2. (3) The life span of the adults could last for nearly nine months. The average cumulative amount of eggs was 35 to 72 per female. The egg hatchability was 100% at indoor temperature(25℃), and the egg stage was about seven days. (4) At present Postosia brevitarsis lewis mainly distributed in Shihezi City, suburbs, and surrounding Farms, other Farms haven't been discovered yet. More than 10 kinds of main agricultural and horticultural crops could be damaged by postosia brevitarsis lewis, especially in corn, sunflower, grapes.

Keywords: damage

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