



棉花学报 » 2012, Vol. 24 » Issue (3) :279-283 DOI: 1002-7807 (2012) 03-0279-05

[研究简报](#)

[最新目录](#) | [下期目录](#) | [过刊浏览](#) | [高级检索](#)

[<< Previous Articles](#) | [>>](#)

棉花叶片中棉酚和单宁含量与绿盲蝽抗性的关系

雒珺瑜, 崔金杰, 王春义, 辛惠江

中国农业科学院棉花研究所/棉花生物学国家重点实验室, 河南 安阳 455000

Relationship between Contents of Gossypol Acetic Acid(GAA) and Tannin in Cotton Leaf and Resistance to *Apolygus lucorum* Meyer-Dür

LUO Jun-yu, CUI Jin-jie, WANG Chun-yi, XIN Hui-jiang*

Cotton Research Institute, CAAS / State Key Laboratory of Cotton Biology, Anyang, Henan 455000, China

[摘要](#)

[参考文献](#)

[相关文章](#)

Download: [PDF \(1284KB\)](#) [HTML 1KB](#) Export: [BibTeX](#) or [EndNote \(RIS\)](#) [Supporting Info](#)

摘要 通过网室抗性鉴定和室内测定分析, 系统研究了不同棉花品种(系)对绿盲蝽的抗性水平及棉花叶片棉酚和单宁含量与绿盲蝽抗性的关系。结果表明, 不同棉花品种(系)叶片棉酚和单宁含量在不同时期存在差异; 花铃期叶片棉酚和单宁含量与绿盲蝽抗性存在显著正相关, 棉酚、单宁含量越高, 棉花对绿盲蝽的抵抗作用越强。

关键词: 棉花 棉酚 单宁 绿盲蝽 抗性

Abstract: The different resistance levels of different cotton varieties to *Apolygus lucorum* Meyer-Dür and the relationship between contents of GAA and tannin in cotton leaf and resistance to *Apolygus lucorum* Meyer-Dür were studied in the net room and laboratory. The results showed that the contents of GAA and tannin differed among different cotton varieties and among different growing periods. The contents of leaf GAA and tannin at the bolling stage indicated a strong positive correlation with the resistance to *Apolygus lucorum*.

Keywords: cotton GAA tannin *Apolygus lucorum* pest resistance

Received 2011-02-18;

Fund:

转基因棉花环境安全评价技术(2011ZX08011-002); 公益性行业科研专项: 盲蝽可持续治理技术的研究与示范(201103012); 国家棉花产业体系

About author: 雒珺瑜(1978-), 女, 助理研究员, luojunyu1818@126.com

引用本文:

雒珺瑜, 崔金杰, 王春义, 辛惠江. 棉花叶片中棉酚和单宁含量与绿盲蝽抗性的关系[J] 棉花学报, 2012, V24(3): 279-283

LUO Jun-Yu, CUI Jin-Jie, WANG Chun-Yi, XIN Hui-Jiang. Relationship between Contents of Gossypol Acetic Acid(GAA) and Tannin in Cotton Leaf and Resistance to *Apolygus lucorum* Meyer-Dür[J] Cotton Science, 2012, V24(3): 279-283

链接本文:

[http://journal.cricaas.com.cn:8082/mhxb/CN/1002-7807\(2012\)03-0279-05](http://journal.cricaas.com.cn:8082/mhxb/CN/1002-7807(2012)03-0279-05) 或 <http://journal.cricaas.com.cn:8082/mhxb/CN/Y2012/V24/I3/279>

Service

- ▶ [把本文推荐给朋友](#)
- ▶ [加入我的书架](#)
- ▶ [加入引用管理器](#)
- ▶ [Email Alert](#)
- ▶ [RSS](#)

作者相关文章

- ▶ [雒珺瑜](#)
- ▶ [崔金杰](#)
- ▶ [王春义](#)
- ▶ [辛惠江](#)