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[1]刘爱群,刘伟婷,张敬涛,等.生物除草剂新发展及其在大豆田除草上的应用[J].大豆科学,2013,32(05):703-707.  
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## 生物除草剂新发展及其在大豆田除草上的应用

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Title: A Review of Bio-herbicide and Application on Weeds Controlling in Soybean Field

作者: ?刘爱群1 (KeySearch.aspx?type=Name&Sel=刘爱群1); 刘伟婷1 (KeySearch.aspx?type=Name&Sel=刘伟婷1); 张敬涛2 (KeySearch.aspx?type=Name&Sel=张敬涛2); 宋洁3 (KeySearch.aspx?type=Name&Sel=宋洁3); 许艳丽3 (KeySearch.aspx?type=Name&Sel=许艳丽3)

? (1.黑龙江省农业科学院,黑龙江哈尔滨150086; 2.黑龙江省农业科学院佳木斯分院,黑龙江佳木斯154000; 3.中国科学院东北地理与农业生态研究所,黑龙江哈尔滨150081)

Author(s): ?(1.Heilongjiang Academy of Agricultural Sciences,Harbin 150086,China;2.Jiamusi Branch of Heilongjiang Academy of Agricultural Sciences,Jiamusi 154000,China;3.Northeast Institute of Geography and Agricultural Ecology,Chinese Academy of Agricultural Sciences,Harbin 150081,China)

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摘要: ?草害是造成作物减产的主要因素之一,近年来化学除草剂的大量使用引发了诸多环境问题。随着农业可持续发展战略的深入,生物除草剂的研发和应用逐渐成为杂草防治的热点。文章在概述了生物除草剂的定义、分类以及生物除草剂控制杂草原理的基础上,探讨、分析了国内外大豆田应用天然植物提取物、真菌、化感物质和覆盖作物作为生物除草剂的现状,展望了在免耕系统彻底改变了杂草治理理念新变化下大豆田生物除草剂应用的前景。

Abstract: ?Weed is one of the major causes in crop yield reduction.The massive use of herbicide over the year has brought various environmental problems.With the implementation and in depth of the strategy for sustainable development of agriculture, development and application of bio herbicide has become a focus on weed control.Definition and classifications of bio herbicide and its weed controlling principles were outlined in this paper,based on which the presence of bio herbicide application,including natural plants abstracts, fungus, allelopathins and cover crops in soybean field in China and abroad were discussed and analyzed.The prospects for bio-herbicide application in soybean field under novel weeds control conception in no-tillage system were previewed.

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