中国农业科技导报 2011, 13(1) 88-93 DOI: 10.3969/j.issn.1008-0864.2011.01. ISSN: 1008-0864 CN: CN 11-3900/S

资源环境 生物药物 生物质转化

香根草的研究及利用进展

毛萍1,2,杨宏1,马欣荣1

(1.中国科学院成都生物研究所, 成都 610041|2.中国科学院研究生院, 北京 100049)

摘要:

香根草是一种利用价值极高的禾本科多年生丛生植物。经过开发,逐步被广泛用于稳固道路土方工程、矿山复垦、修复重金属土壤、污水处理和改善水质等工程;也根据它的特性,开发出一系列经济附加值极高的副产品,如香精油、菌草技术和造纸原料等。从香根草的基本特征和利用现状等方面进行了概述,提出了综合开发香根草资源的建议,并展望了在四川和青海地震灾区应用的可能性。

关键词: 香根草;利用现状;环境恢复;水土保持;经济价值

Progress in Research and Utilization of Vetiveria zizanioides

MAO Ping1,2, YANG Hong1, MA Xin-rong1

(1.Chengdu Institute of Biology, Chinese Academy of Sciences, Chengdu, 610041|2.Graduate School of the Chinese Academy of Sciences, Beijing 100049, China)

Abstract:

Vetiver (Vetiveria zizanioides), a gramineous crop of tufted perennial grasses, has high utilization value. After exploitation, it was widely used in road and ground construction, mine reclamation, heavy metal soil recovery, sewage treatment and water quality improvement, etc. A series of byproducts with high economic value has been exploited according to their distinctive traits, such as essential oil, fungus technology and paper making raw material, etc. This paper expounds the basic characters and utilization status of vetiver grass and provides suggestions for synthetically developing its resources, and also prospects the possibility of utilizing vetiver grass in regions suffered from earthquake disaster in Sichuan and Qinghai Provinces.

Keywords: Vetiveria zizanioides utilization status environmental restoration water and soil conservation economic value

收稿日期 2010-09-02 **修回日期** 2010-10-12 **网络版发布日期** 2010-12-24

DOI: 10.3969/j.issn.1008-0864.2011.01.

基金项目:

国家863计划项目(2008AA10Z409;2009AA10Z108)资助。

通讯作者: 马欣荣,副研究员,博士,主要从事植物基因工程研究。Tel:028-85252387; E-mail:maxr@cib.ac.cn

作者简介: 毛萍,硕士研究生,主要从事植物基因工程研究。

作者Email:

参考文献:

本刊中的类似文章

文章评论

反馈人		邮箱地址	

反馈标题		验证码	6711