

# 中国糖料

SUGAR CROPS OF CHINA

- 中国科技核心期刊
- 中国期刊网、中国学术期刊(光盘版)全文收录期刊
- 万方数据(Chinainfo)系统科技期刊群网上期刊
- 《中国学术期刊综合评价数据库(CAJCED)》统计源期刊
- 《中文科技期刊数据库》(维普网)收录期刊
- 博看网www.boookan.com.cn收录期刊
- 首届《CAJ-CD规范》执行优秀期刊

**3**  
**2013**

中国农业科学院甜菜研究所 主办

目次

试验研究

|                              |                                                   |
|------------------------------|---------------------------------------------------|
| 甘蔗品种区域化试验基因与环境互作研究 .....     | 陈学宽,刘家勇,赵俊,赵培方,曾连刚(1)                             |
| 甜菜多倍体杂交种甜研312的遗传改良与推广 .....  | 王华忠,吴则东,王丛玲,朱东顺,何群,肖春山,王茂军,韩英,高峰,高岩(4)            |
| 11个德国甜菜品种指纹图谱的构建 .....       | 吴则东,王华忠,马龙彪,王茂军(8)                                |
| 甘蔗胚性愈伤组织的诱导和抗褐化研究 .....      | 吴转娣,赵俊,刘家勇,陈学宽,杨昆,赵培方,李纯佳,吴才文(10)                 |
| 甜菜磷酸蔗糖合成酶的转基因研究 .....        | 刘大丽,马龙彪,郝慧(13)                                    |
| 不同氮水平对甘蔗生长的影响 .....          | 张跃彬,樊仙,刀静梅(15)                                    |
| 甘蔗间种马铃薯对产质量和综合效益的影响 .....    | 刀静梅,刘少春,樊仙,张跃彬,郭家文,李如丹,高欣欣(18)                    |
| 保山蔗区第3轮国家甘蔗品种集成示范试验初报 .....  | 赵自东,李言春,容小阳,丁春华,白志刚,贾应明,段晓祜,石红军(21)               |
| 云南第11套甘蔗品种区试保山水浇地的综合表现 ..... | 石红军,李言春,白志刚,段晓祜,施立科,郑琳,贾应明,赵自东,敖永线(23)            |
| 甘蔗品种(系)宿根性表现与甘蔗成本价格比较 .....  | 唐宗明(27)                                           |
| 云南德宏蔗区旱地甘蔗适宜植期研究 .....       | 杨光琴,张永港,杨清群,郭晓建,康宁,晏祥玉,陈寿宏,杨洪岂(30)                |
| 不同碱裂解法快速提取甜菜大群体DNA的研究 .....  | 吴则东,王华忠,倪洪涛(32)                                   |
| 红兴隆综合试验站甜菜新品种筛选试验 .....      | 李胜林,王志农,王中业,刘越,杜吉到(35)                            |
| 硫酸钾镁对甘蔗产量、糖分及效益的影响 .....     | 刘通忠,黄健,林群艳(37)                                    |
| 聚乙二醇对甜菜种子低温萌发的影响 .....       | 沙红,高燕,高卫时,王燕飞(40)                                 |
| 甜菜品种不同密度大区对比试验 .....         | 闫志山,范有君,黄彩云,宋柏权,杨膜(42)                            |
| 草地螟对合成植物挥发物的活性反应 .....       | 范锦胜,张李香,王贵强,付雪,张坤,郭旭,韩笑,冷赫(44)                    |
| 甜高粱引种试验示范结果初报 .....          | 王美兰,王炯蓉,黄少学(47)                                   |
| 莱恩公司甜菜品种引种试验初报 .....         | 王荣华,王耀成,孙秀君,刘琦,汤晚昀(49)                            |
| 美国Beta公司甜菜品种引进比较试验初报 .....   | 汤晚昀,王耀成,刘琦(52)                                    |
| 国家第八轮区试云南瑞丽点甘蔗品系的同异分析 .....  | 俞华光,周清明,孙有芳,安汝东,姚联安,董立华,程艳芳,郎荣斌,冯蔚,边蕊,朱建荣,杨李和(54) |
| 甜叶菊引种鉴定试验 .....              | 杨振华,王敦和(57)                                       |
| 5种杀虫剂对甘蔗害虫的田间防治效果 .....      | 罗志明,李文凤,黄应昆,尹炯,申科,毛永雷,徐宏,吉学述,杨绍聪(59)              |
| 5种杀菌剂对甜菜褐斑病的防治效果 .....       | 李春志,韩成贵,朱向明,韩秉进(62)                               |
| 0.06%噻虫胺药肥混剂防治甘蔗螟虫效果初报 ..... | 唐静,杨卫斌,谭贤勇(64)                                    |

实用技术

|                          |                |
|--------------------------|----------------|
| 甜菜播种机械化技术 .....          | 卢秉福,耿贵,周艳丽(66) |
| 新疆滴灌甜菜机械采收高产高糖栽培技术 ..... | 刘琦,王荣华(69)     |

综述

|                     |                        |
|---------------------|------------------------|
| 甘蔗间套种马铃薯研究进展 .....  | 陈政,吕达,肖祎,陈道德(71)       |
| 烟蓟马对甜叶菊的危害与防治 ..... | 陈叶,罗光宏,郭天翔,王洁江,孟红梅(73) |

问题探讨

|                              |            |
|------------------------------|------------|
| 云南德宏蔗区甘蔗病虫草害的发生及防治 .....     | 杨世常(75)    |
| 2012年云南甘蔗高产创建实施成效与经验启示 ..... | 邢军,张跃彬(78) |
| 玉林市黑皮果蔗病虫害及综合防治 .....        | 朱秋莲(81)    |
| 广西黑皮果蔗产销问题和发展对策 .....        | 巫玉平(83)    |

# SUGAR CROPS OF CHINA

No. 3 2013 (Total No. 137)

## CONTENTS

### RESEARCH ARTICLE

- Research on Gene-environment Interactions in Sugarcane Regional Trial in Yunnan ..... CHEN Xue-kuan *et al* (1)
- Genetic Improvement and Popularization Demonstration of Polyploid Sugarbeet  
Tianyan312 ..... WANG Hua-zhong *et al* (4)
- SSR Fingerprinting Map of 11 Germany Beet Varieties ..... WU Ze-dong *et al* (8)
- Study on Embryogenic Callus Induction and Anti-browning of Sugarcane  
..... WU Zhuan-di *et al* (10)
- Genetic Transformation of Sugarbeet with *Beta vulgaris* Sucrose Phosphate  
Synthase (BvSPS) ..... LIU Da-li *et al* (13)
- Different nitrogen levels on the effect of the growth of sugarcane ..... ZHANG Yue-bin *et al* (15)
- Effects of Sugarcane Intercropping with Potato on the Sugarcane Yield and Quality  
..... DAO Jing-mei *et al* (18)
- Report of the Third National Integration Demonstration of Sugarcane Varieties  
in Baoshan ..... ZHAO Zi-dong *et al* (21)
- Comprehensive Performance of Yunnan Eleventh Irrigated Sugarcane Trial  
in Baoshan Region ..... SHI Hong-jun *et al* (23)
- Comparison between Cost Price of 10 Sugarcane Varieties (lines) and  
Ratoon Character ..... TANG Zong-ming (27)
- A Study of Suitable Planting Period of Sugarcane in Yunnan Dehong Area  
..... YANG-Guang-qin *et al* (30)
- A Rapid Method for Extract Beet Large Group DNA in Different Alkaline Lysis  
..... WU Ze-dong *et al* (32)
- Report of Screening New Sugarbeet Variety from Hongxinglong Comprehensive  
Experiment Station ..... LI Sheng-lin *et al* (35)
- Effects of Sulphate-potassium Magnesium on Sugarcane Yield and Sugar Content  
for Benefit ..... LIU Xun-zhong *et al* (37)
- Effects of PEG on Seed Vigor of Sugarbeet ..... SHA Hong *et al* (40)
- Comparative Experiment between Different Sugarbeet Varieties under  
Different Densities ..... YAN Zhi-shan *et al* (42)
- Electroantennogram Responses of Meadow Moth (*Loxostege sticticalis* L.)  
to Plant Volatiles ..... FAN Jin-sheng *et al* (44)
- Report of Introduction Demonstration Experiment of Sweet Sorghum ..... WANG Fu-lan *et al* (47)
- Comparison between Test Introduced Sugarbeet Varieties from  
Britain Ryan Company ..... WANG Rong-hua *et al* (49)
- Comparative Trial of Sugarbeet Varieties from US Betaseed Company ..... TANG Xiao-yun *et al* (52)
- Analysis of the Eighth National Sugarcane Varieties Regional Trial in Ruili  
..... YU Hua-xian *et al* (54)
- Introduced Trial of *Stevia rebaudiana* Varieties ..... YANG Zhen-hua *et al* (57)
- Control Effects of Five Pesticides on Sugarcane Pests ..... LUO Zhi-ming *et al* (59)
- Control Effect of Several Fungicides on *Cercospora* Leaf Spot of Sugarbeet ..... LI Chun-jie *et al* (62)
- Effects of 0.06% Clothianidin Fertilizer against Sugarcane Borers ..... TANG Jing *et al* (64)

### PRACTICAL TECHNIQUES

- Sowing Technology of Mechanization for Sugarbeet ..... LU Bing-fu *et al* (66)
- Cultivation Technology for Sugarbeet High Yield and Sugar Content by  
Drip Irrigation and Mechanical Harvesting in Xinjiang ..... LIU Xun *et al* (69)

### LITERATURE REVIEWS

- Review on the Researches of Sugarcane-potato Intercropping System ..... CHEN Zheng *et al* (71)
- Damage and Control of Onion Thrips on Stevia ..... CHEN Ye *et al* (73)

### ISSUES DISCUSSION

- Current Situation and Control Countermeasure of Diseases, Insect Pests  
and Weeds in Yunnan Dehong ..... YANG Shi-chang (75)
- 2012 Implement Achievements and Enlightenment of High Yield Sugarcane  
in Yunnan ..... DENG Jun *et al* (78)
- Integrated Control of Badila Diseases and Insect Pests in Yulin City ..... ZHU Qiu-lian (81)
- Development Countermeasure for Production and Marketing Problem of Badila  
in Guangxi ..... WU Yu-ping (83)