

全国中文核心期刊  
中国科技核心期刊  
中国农业核心期刊  
RCCSE中国核心学术期刊  
中国科学引文数据库(CSCD)期刊  
CAB International 收录期刊  
美国《生物学文摘》收录期刊  
美国《化学文摘》(CA) 收录期刊

首页 (/) 期刊介绍 编委会 投稿须知 期刊订阅 广告合作 联系我们 返回主页  
(/Corp/10.aspx) (/Corp/3600.aspx) (/Corp/5006.aspx) (/Corp/50.aspx) (http://www.haasep.cn/)

«上一篇 (DArticle.aspx?type=view&id=200806016)  
下一篇 (DArticle.aspx?type=view&id=200806018)



PDF下载 (pdfdown.aspx?Sid=200806017)

+分享  
(http://www.jiathis.com/share?uid=1541069)



微信公众号: 大豆科学

[1]陈霞,刘丽君赵贵兴,林蔚刚,等.不同播期鲜食大豆品种生育特性及品质评价[J].大豆科学,2008,27(06):988-992.  
[doi:10.11861/j.issn.1000-9841.2008.06.0988]  
HEN Xia,LIU Li-jun,ZHAO Gui-xing,et al.Development Traits and Quality of Vegetable Soybeans under Different Planting Date[J].Soybean Science,2008,27(06):988-992.[doi:10.11861/j.issn.1000-9841.2008.06.0988]

点击复制

## 不同播期鲜食大豆品种生育特性及品质评价

《大豆科学》 [ISSN:1000-9841 /CN:23-1227/S ] 卷: 第27卷 期数: 2008年06期 页码: 988-992 栏目:  
出版日期: 2008-12-25

Title: Development Traits and Quality of Vegetable Soybeans under Different Planting Date

文章编号: 1000-9841(2008)06-0988-05

作者: 陈霞<sup>1</sup> (KeySearch.aspx?type=Name&Sel=陈霞); 刘丽君<sup>1</sup>赵贵兴<sup>1</sup> (KeySearch.aspx?type=Name&Sel=刘丽君); 林蔚刚<sup>1</sup> (KeySearch.aspx?type=Name&Sel=林蔚刚); 刘昊飞<sup>1</sup> (KeySearch.aspx?type=Name&Sel=刘昊飞); 王树林<sup>1</sup> (KeySearch.aspx?type=Name&Sel=王树林); 王家军<sup>1</sup> (KeySearch.aspx?type=Name&Sel=王家军); 刘忠云<sup>2</sup> (KeySearch.aspx?type=Name&Sel=刘忠云)

<sup>1</sup>黑龙江省农业科学院大豆研究所, 黑龙江 哈尔滨 150086;

<sup>2</sup>黑龙江省蚕业研究所, 黑龙江 哈尔滨 150086

Author(s): HEN Xia<sup>1</sup> (KeySearch.aspx?type=Name&Sel=HEN Xia); LIU Li-jun<sup>1</sup> (KeySearch.aspx?type=Name&Sel=LIU Li-jun); ZHAO Gui-xing<sup>1</sup> (KeySearch.aspx?type=Name&Sel=ZHAO Gui-xing); LIN Wei-gang<sup>1</sup> (KeySearch.aspx?type=Name&Sel=LIN Wei-gang); LIU Hao-fei<sup>1</sup> (KeySearch.aspx?type=Name&Sel=LIU Hao-fei); WANG Shu-lin<sup>1</sup> (KeySearch.aspx?type=Name&Sel=WANG Shu-lin); WANG Jia-jun<sup>1</sup> (KeySearch.aspx?type=Name&Sel=WANG Jia-jun); LIU Zhong-yun<sup>2</sup> (KeySearch.aspx?type=Name&Sel=LIU Zhong-yun)

<sup>1</sup>Soybean Institute of Heilongjiang Academy of Agricultural Sciences, Harbin 150086, Heilongjiang;

<sup>2</sup>Sericulture Institute of Heilongjiang Province, Harbin 150086, Heilongjiang, China

关键词: 鲜食大豆 (KeySearch.aspx?type=Keyword&Sel=鲜食大豆); 品种 (KeySearch.aspx?type=Keyword&Sel=品种); 播期 (KeySearch.aspx?type=Keyword&Sel=播期); 品质特性 (KeySearch.aspx?type=Keyword&Sel=品质特性); 鲜荚产量 (KeySearch.aspx?type=Keyword&Sel=鲜荚产量)

Keywords: Vegetable soybean (KeySearch.aspx?type=Keyword&Sel=Vegetable soybean); Variety (KeySearch.aspx?type=Keyword&Sel=Variety); Planting date (KeySearch.aspx?type=Keyword&Sel=Planting date); Quality trait (KeySearch.aspx?type=Keyword&Sel=Quality trait); Pod fresh yield (KeySearch.aspx?type=Keyword&Sel=Pod fresh yield)

分类号: S565.1

DOI: 10.11861/j.issn.1000-9841.2008.06.0988 (http://dx.doi.org/10.11861/j.issn.1000-9841.2008.06.0988)

文献标志码: A

摘要: 以国外和国内不同地区的7个鲜食大豆品种为材料,研究在哈尔滨地区气候条件下不同播期对鲜食大豆鲜荚产量及品质性状的影响。结果表明:播期对鲜食大豆单株的鲜荚重、鲜荚重、鲜粒重和鲜百粒重影响显著。札幌绿鲜荚产量最高,台湾292次之,其中札幌绿在5月20日播期获得最高产量(14 897.50 kg·hm<sup>-2</sup>),台湾292在5月1日播期获得次高产(13 006.50 kg·hm<sup>-2</sup>)。札幌绿5月1日播期蛋白质含量最高,台湾292 5月8日播期蛋白质含量最高;札幌绿5月20日播期可溶性糖分含量最高,台湾292 5月1日播期可溶性糖分含量最高;札幌绿、台湾292 5月8日播期脂肪含量最高。根据对鲜荚产量和品质特性的评估,札幌绿、台湾292在哈尔滨地区种植为最佳选择。

Abstract: Vegetable soybean is mainly planted in south of China. Seven cultivars introduced from home and abroad were planted on May 1, 8, 20, in order to select vegetable soybeans suitable for planting in Harbin area. Growth stage structure, yield related traits including fresh pod number (FPN), fresh pod weight (FPW), fresh seed weight (FSW) and 100-fresh seed weight (HFSW), seed quality traits such as soluble sugar content, fat content and protein content were measured. Planting date had significant effect on FPN, FPW, FSW and HFSW. Sapporomidoli got the highest fresh pod yield (14 897.50 kg·ha<sup>-1</sup>) when planted on May 20, then was Taiwan 292 (13 006.50 kg·ha<sup>-1</sup>) planted on May 1. Sapporomidoli got the highest protein content planted on May 1 while Taiwan 292 on May 8. Soluble sugar content of Sapporomidoli and Taiwan 292 maxmized when planted on May 20 and May 1, respectively, while fat content of the two cultivar all maxmized when planted on May 8. According to yield and quality performance, Sapporomidoli and Taiwan 292 are suitable to plant in Harbin.

参考文献/References:

- [1]袁凤杰,俞琦英,朱申龙.菜用大豆品质和产量性状的评述[J].浙江农业科学,2001(1):1-4. (Yuan F J, Yu Q Y, Zhu S L. Observation on vegetable soybean qualities and yield traits[J]. Zhejiang Agricultural Sciences, 2001(1):1-4.)
- [2]张复宁,冯其虎,杨加银.高产优质毛豆选育与应用[J].中国蔬菜,1995(2):38. (Zhang F N, Feng Q H, Yang J Y. Breeding and application on high-yield and super-quality vegetable soybean Chuxiu[J]. China Vegetables, 1995(2):38.)
- [3]韩天富.中国菜用大豆的种植制度和品种类型[J].大豆科学,2002,21(2):83-87. (Han T F. Farming systems and ecotypes of vegetable soybeans in China[J]. Soybean Science, 2002,21(2): 83-87.)

- [4] 韩立德, 盖钧镱, 邱家驹. 应用模糊数学方法评定菜用大豆感官品质[J]. 大豆科学, 2002, 21(4): 274-277. (Han L D, Gai J Y, Qiu J X. Study on evaluation method of quality traits of vegetable soybean[J]. Soybean Science, 2002, 21(4): 274-277.)
- [5] 顾卫红, 郑洪基, 张燕, 等. 菜用大豆的国际需求及科研生产动态[J]. 上海农业学报, 2002(2): 45-48. (Gu W H, Zheng H J, Zhang G R, et al. Trends in production, demand and scientific researches on vegetable soybean [Glycine max(L.) Merr.] at home and abroad[J]. Acta Agriculturae Shanghai, 2002(2): 45-48.)
- [6] 陈学珍, 谢皓, 张硕. 高产优质菜用大豆品种的筛选[J]. 北京农学院学报, 2005, 20(4): 21-22. (Chen X Z, Xie H, Zhang S. Selection on the high yield and quality variety in vegetable soybean[J]. Journal of Beijing Agricultural College, 2005, 20(4): 21-22.)
- [7] 盖钧镱, 王明军, 陈长之. 中国毛豆生产的历史渊源与发展[J]. 大豆科学, 2002, 21(1): 8-11. (Gai J Y, Wang M J, Chen C Z. Historical origin and development of Maodou production in China[J]. Soybean Science, 2002, 21(1): 8-11.)
- [8] 徐树传, 刘德金, 陈长之. 福建省菜用大豆生产与研究动态[J]. 大豆通报, 1995(6): 23-24. (Xu S Z, Liu D J, Chen C Z. Trends of vegetable soybean on production and research in Fujian province[J]. Soybean Bulletin, 1995(6): 23-24.)
- [9] 王丹英, 汪自强. 菜用大豆品质研究概况[J]. 大豆通报, 2001(2): 26. (Wang D Y, Wang Z Q. A review on research of vegetable soybean variety qualities[J]. Soybean Bulletin, 2001(2): 26.)
- [10] 徐兆生, 王李, 魏民, 等. 菜用大豆种质资源营养成分分析[J]. 作物品种资源, 1995(3): 40-41. (Xu Z S, Wang L, Wei M, et al. Analysis on nutrient quality of vegetable soybean resources[J]. Crop Genetic Resources, 1995(3): 40-41.)
- [11] 汪惠芳, 刘慧琴, 李朝森. 菜用大豆早熟栽培技术[J]. 江西农业科技, 2003(2): 27-28. (Wang H F, Liu H Q, Li C S. Technology on early maturity of vegetable soybean[J]. Jiangxi Agricultural Science & Technology 2003(2): 27-28.)
- [12] 张志良, 翟伟菁. 可溶性总糖类的测定[M]. 植物生理学试验指导, 2003: 127-128. (Zhang Z L, Zhai W J. Test on soluble carbohydrate content[M]. Plant Physiology Test Guide, 2003: 127-128.)

## 相似文献/References:

- [1] 王大刚, 胡国玉, 李杰坤, 等. 黄淮大豆品种(系)生育期组划分的研究初报[J]. (article.aspx?type=view&id=201305011) 大豆科学, 2013, 32(05): 629. [doi:10.11861/j.issn.1000-9841.2013.05.0629]
- WANG Da-gang, HU Guo-yu, LI Jie-kun, et al. A Preliminary Report on the Study of Maturity Group Classification of Soybean Varieties (Lines) in Huang Huai[J]. Soybean Science, 2013, 32(06): 629. [doi:10.11861/j.issn.1000-9841.2013.05.0629]
- [2] 赵双进, 赵鑫, 唐晓东, 等. 夏大豆品种高产特性研究[J]. (article.aspx?type=view&id=201302007) 大豆科学, 2013, 32(02): 168. [doi:10.3969/j.issn.1000-9841.2013.02.007]
- ZHAO Shuang-jin, ZHAO Xin, TANG Xiao-dong, et al. High Yield Characteristics of Summer Sowing Soybean Varieties[J]. Soybean Science, 2013, 32(06): 168. [doi:10.3969/j.issn.1000-9841.2013.02.007]
- [3] 张晓春, 陈红, 黄世龙, 等. 春大豆氮肥施用与大豆品种组合优选研究[J]. (article.aspx?type=view&id=201202019) 大豆科学, 2012, 31(02): 255. [doi:10.3969/j.issn.1000-9841.2012.02.019]
- ZHANG Xiao-chun, CHEN Hong, HUANG Shi-long, et al. Optimal Combination of Nitrogen Fertilizer and Spring Soybean Varieties in Chongqing[J]. Soybean Science, 2012, 31(06): 255. [doi:10.3969/j.issn.1000-9841.2012.02.019]
- [4] 王大刚, 卢为国, 马莹, 等. 新育成大豆品种对SMV和SCN抗性评价[J]. (article.aspx?type=view&id=200906001) 大豆科学, 2009, 28(06): 949. [doi:10.11861/j.issn.1000-9841.2009.06.0949]
- WANG Da-gang, LU Wei-guo, MA Ying, et al. Evaluation of Resistance of Soybean Cultivars to Soybean Mosaic Virus and Soybean Cyst Nematode[J]. Soybean Science, 2009, 28(06): 949. [doi:10.11861/j.issn.1000-9841.2009.06.0949]
- [5] 马淑梅. 2006~2010年黑龙江省大豆灰斑病菌生理小种监测及部分主栽品种抗性鉴定[J]. (article.aspx?type=view&id=201103021) 大豆科学, 2011, 30(03): 450. [doi:10.11861/j.issn.1000-9841.2011.03.0450]
- MA Shu-mei. Monitoring of Physiological Races of Cercospora sojina in Heilongjiang Province from 2006 to 2010 and Resistance Identification of Partial Main Cultivars[J]. Soybean Science, 2011, 30(06): 450. [doi:10.11861/j.issn.1000-9841.2011.03.0450]
- [6] 苗兴芬, 徐文平, 李灿东, 等. 东北地区大豆品种脂肪酸组成与含量分析[J]. (article.aspx?type=view&id=201103039) 大豆科学, 2011, 30(03): 529. [doi:10.11861/j.issn.1000-9841.2011.03.0529]
- MIAO Xing-fen, XU Wen-ping, LI Can-dong, et al. Analysis of the Fatty Acid Composition of Soybean Varieties in Northeast China[J]. Soybean Science, 2011, 30(06): 529. [doi:10.11861/j.issn.1000-9841.2011.03.0529]
- [7] 辛秀君, 于凤瑶, 张代军, 等. 黑龙江省近二十年来育成大豆品种品质性状变化分析[J]. (article.aspx?type=view&id=201002012) 大豆科学, 2010, 29(01): 56. [doi:10.11861/j.issn.1000-9841.2010.01.0056]
- XIN Xiu-jun, YU Feng-yao, ZHANG Dai-jun, et al. Changes on Quality Characters of Soybean Cultivars Released during 1988 to 2007 in Heilongjiang Province[J]. Soybean Science, 2010, 29(06): 56. [doi:10.11861/j.issn.1000-9841.2010.01.0056]
- [8] 潘洪彬, 谷春梅, 孙泽威, 等. 不同大豆品种对大鼠抗营养影响的比较[J]. (article.aspx?type=view&id=201002031) 大豆科学, 2010, 29(02): 310. [doi:10.11861/j.issn.1000-9841.2010.02.0310]
- PAN Hong-bin, GU Chun-mei, SUN Ze-wei, et al. Comparative on Antinutritional Effect of Two Cultivars Raw Soybean in Rats[J]. Soybean Science, 2010, 29(06): 310. [doi:10.11861/j.issn.1000-9841.2010.02.0310]
- [9] 庄陆, 王术, 王伯伦, 等. 沈阳地区春小麦下茬复种大豆品种产量与品质的比较[J]. (article.aspx?type=view&id=201003014) 大豆科学, 2010, 29(03): 424. [doi:10.11861/j.issn.1000-9841.2010.03.0424]
- ZHUANG Lu, WANG Shu, WANG Bo-lun, et al. Comparison of Yield and Quality of Soybean Varieties Following Spring Wheat at Shenyang[J]. Soybean Science, 2010, 29(06): 424. [doi:10.11861/j.issn.1000-9841.2010.03.0424]
- [10] 谢甫缙, S. K. St. Martin, 张惠君, 等. 中国辽宁和美国俄亥俄新老大豆品种的比较研究[J]. (article.aspx?type=view&id=201004012) 大豆科学, 2010, 29(04): 601. [doi:10.11861/j.issn.1000-9841.2010.04.0601]
- XIE Fu-ti, S. K. St. Martin, ZHANG Hui-jun, et al. Evaluation of Old and Modern Soybean Cultivars in Liaoning and Ohio[J]. Soybean Science, 2010, 29(06): 601. [doi:10.11861/j.issn.1000-9841.2010.04.0601]

备注/Memo 基金项目: 哈尔滨市科技攻关计划资助项目(2003AA6CN087)。

作者简介: 陈霞(1955-), 女, 研究员, 从事大豆深加工及品质分析。E-mail: chenxia6665435@163.com。

更新日期/Last Update: 2014-10-06