

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

«上一篇 (DArticle.aspx?type=view&id=201304027)  
下一篇 (DArticle.aspx?type=view&id=201304029)



PDF下载 (pdfdown.aspx?Sid=201304028)

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



微信公众号: 大豆科学

[1]刘念析,李穆,李秀平,等.大豆主要农艺性状间的相关性分析[J].大豆科学,2013,32(04):570-572.[doi:10.11861/j.issn.1000-9841.2013.04.0570]  
LIU Nian-xi,LI Mu,LI Xiu-ping,et al.Correlation Analysis of Major Agronomic Traits in Soybean[J].Soybean Science,2013,32(04):570-572.[doi:10.11861/j.issn.1000-9841.2013.04.0570]

点击复制

## 大豆主要农艺性状间的相关性分析

《大豆科学》 [ISSN:1000-9841 /CN:23-1227/S ] 卷: 第32卷 期数: 2013年04期 页码: 570-572 栏目: 出版日期: 2013-08-25

Title: Correlation Analysis of Major Agronomic Traits in Soybean

作者: ?刘念析1 (KeySearch.aspx?type=Name&Sel=刘念析1); 李穆2 (KeySearch.aspx?type=Name&Sel=李穆2); 李秀平2 (KeySearch.aspx?type=Name&Sel=李秀平2); 杨伟光1 (KeySearch.aspx?type=Name&Sel=杨伟光1); 年海2 (KeySearch.aspx?type=Name&Sel=年海2)

?1.吉林农业大学 农学院,吉林 长春 130000; 2.华南农业大学 农学院,广东 广州 510642

Author(s): ?LIU Nian-xi1 (KeySearch.aspx?type=Name&Sel=LIU Nian-xi1); LI Mu2 (KeySearch.aspx?type=Name&Sel=LI Mu2); LI Xiu-ping2 (KeySearch.aspx?type=Name&Sel=LI Xiu-ping2); YANG Wei-guang1 (KeySearch.aspx?type=Name&Sel=YANG Wei-guang1); NIAN Hai2 (KeySearch.aspx?type=Name&Sel=NIAN Hai2)

?1.College of Agriculture, Jilin Agricultural University, Changchun 130000, China; 2.College of Agriculture, South China Agricultural University, Guangzhou 510642, China

关键词: 大豆 (KeySearch.aspx?type=Keyword&Sel=大豆); 相关性 (KeySearch.aspx?type=Keyword&Sel=相关性); 生育期结构 (KeySearch.aspx?type=Keyword&Sel=生育期结构); 农艺性状 (KeySearch.aspx?type=Keyword&Sel=农艺性状)

Keywords: Soybean (KeySearch.aspx?type=Keyword&Sel=Soybean); Correlation (KeySearch.aspx?type=Keyword&Sel=Correlation); Growth period structure (KeySearch.aspx?type=Keyword&Sel=Growth period structure); Agronomic trait (KeySearch.aspx?type=Keyword&Sel=Agronomic trait)

分类号: S565.1

DOI: 10.11861/j.issn.1000-9841.2013.04.0570 (http://dx.doi.org/10.11861/j.issn.1000-9841.2013.04.0570)

文献标志码: A

摘要: ?选用中黄24×华夏3号衍生的含有169个F<sub>7</sub>、s株系的重组自交系群体进行大豆生育期与农艺性状及各农艺性状间的相关分析。结果表明: 营养生长期与株高、主茎节数、分枝数、荚数呈极显著正相关,与百粒重呈极显著负相关; 生殖生长期与分枝数、荚数呈极显著负相关,与百粒重呈显著正相关; 全生育期与株高、主茎节数、分枝数、荚数均呈极显著正相关。株高与主茎节数、分枝数、百粒重均呈极显著正相关,主茎节数与分枝数、有效荚呈极显著正相关,分枝数与百粒重呈极显著负相关。因此,从生育期的角度进行选择时,可以适当选择营养生长期较长,生育期结构又比较合理的品种。在以提高大豆产量为目标时,要综合考虑各种限制因素,选择植株高度和分枝数适中、结荚数多,同时兼顾百粒重较大的类型。

Abstract: ?A F<sub>7</sub>、s population with 169 lines derived from a cross of Zhonghuang 24×Huaxia 3 were selected and the correlations of growth stage with agronomic traits and all major agronomic traits in soybean were analyzed. The main results obtained were as follows: Vegetative stage was very significantly positive correlated with plant height, number of stem nodes, branches and pods per plant, but very significantly negative correlated with 100-seed weight. Reproductive stage was very significantly negative correlated with number of branches and pods, but significantly positive correlated with 100-seed weight. Growth duration was very significantly positive correlated with plant height, number of stem nodes, branches and pods per plant. Plant height was very significantly positive correlated with number of stem nodes, branches and 100-seed weight. The number of stem nodes was very significantly positive correlated with branches and effective pods; 100-seed weight was very significantly negative correlated with number of branches per plant. So the selection from the point of growing period, we may make a suitable choice to prolong soybean vegetative stage with a suitable growth stage structure, it should consider all the limit factors in order to improve the soybean yield, and select a variety that has a suitable plant height and branches, and pay attention to the 100-seed weight at the same time.

### 相似文献/References:

[1]刘念析,李卫东,孙石,等.1983~2010年北京大豆育成品种的亲本地理来源及其遗传贡献[J]. (darticle.aspx?type=view&id=201301001)大豆科学,2013,32(01):1.[doi:10.3969/j.issn.1000-9841.2013.01.002]

LIU Zhang-xiong, LI Wei-dong, SUN Shi, et al. Geographical Sources of Germplasm and Their Nuclear Contribution to Soybean Cultivars Released during 1983 to 2010 in Beijing[J]. Soybean Science, 2013, 32(04):1. [doi:10.3969/j.issn.1000-9841.2013.01.002]

[2]李彩云,余永亮,杨红旗,等.大豆脂转运蛋白基因GmLTP3的特征分析[J]. (darticle.aspx?type=view&id=201301002)大豆科学,2013,32(01):8.[doi:10.3969/j.issn.1000-9841.2013.01.003]

LI Cai-yun, YU Yong-liang, YANG Hong-qi, et al. Characteristics of a Lipid-transfer Protein Gene GmLTP3 in Glycine max[J]. Soybean Science, 2013, 32(04):8. [doi:10.3969/j.issn.1000-9841.2013.01.003]

[3]王明霞,崔晓霞,薛晨晨,等.大豆耐盐基因GmHAL3a的克隆及RNAi载体的构建[J]. (darticle.aspx?type=view&id=201301003)大豆科学,2013,32(01):12.[doi:10.3969/j.issn.1000-9841.2013.01.004]

WANG Ming-xia, CUI Xiao-xia, XUE Chen-chen, et al. Cloning of Halotolerance 3 Gene and Construction of Its RNAi Vector in Soybean (Glycine max)[J]. Soybean Science, 2013, 32(04):12. [doi:10.3969/j.issn.1000-9841.2013.01.004]

[4]张春宝,李玉秋,彭宝,等.线粒体ISSR与SCAR标记鉴定大豆细胞质雄性不育系与保持系[J]. (darticle.aspx?type=view&id=201301005)大豆科学,2013,32(01):19.[doi:10.3969/j.issn.1000-9841.2013.01.005]

- ZHANG Chun-bao, LI Yu-qiu, PENG Bao, et al. Identification of Soybean Cytoplasmic Male Sterile Line and Maintainer Line with Mitochondrial ISSR and SCAR Markers[J]. Soybean Science, 2013, 32(04):19. [doi:10.3969/j.issn.1000-9841.2013.01.005]
- [5] 卢清瑶, 赵琳, 李冬梅, 等. RAV基因对拟南芥和大豆不定芽再生的影响[J]. (article.aspx?type=view&id=201301006) 大豆科学, 2013, 32(01):23. [doi:10.3969/j.issn.1000-9841.2013.01.006]
- LU Qing-yao, ZHAO Lin, LI Dong-mei, et al. Effects of RAV gene on Shoot Regeneration of Arabidopsis and Soybean [J]. Soybean Science, 2013, 32(04):23. [doi:10.3969/j.issn.1000-9841.2013.01.006]
- [6] 杜景红, 刘丽君. 大豆fad3c基因沉默载体的构建[J]. (article.aspx?type=view&id=201301007) 大豆科学, 2013, 32(01):28. [doi:10.3969/j.issn.1000-9841.2013.01.007]
- DU Jing-hong, LIU Li-jun. Construction of fad3c Gene Silencing Vector in Soybean[J]. Soybean Science, 2013, 32(04):28. [doi:10.3969/j.issn.1000-9841.2013.01.007]
- [7] 张力伟, 樊颖伦, 牛腾飞, 等. 大豆“冀黄13”突变体筛选及突变体库的建立[J]. (article.aspx?type=view&id=201301008) 大豆科学, 2013, 32(01):33. [doi:10.3969/j.issn.1000-9841.2013.01.008]
- ZHANG Li-wei, FAN Ying-lun, NIU Teng-fei, et al. Screening of Mutants and Construction of Mutant Population for Soybean Cultivar "Jihuang13" [J]. Soybean Science, 2013, 32(04):33. [doi:10.3969/j.issn.1000-9841.2013.01.008]
- [8] 盖江南, 张彬彬, 吴瑶, 等. 大豆不定胚悬浮培养基因型筛选及基因枪遗传转化的研究[J]. (article.aspx?type=view&id=201301009) 大豆科学, 2013, 32(01):38. [doi:10.3969/j.issn.1000-9841.2013.01.009]
- GAI Jiang-nan, ZHANG Bin-bin, WU Yao, et al. Screening of Soybean Genotypes Suitable for Suspension Culture with Adventitious Embryos and Genetic Transformation by Particle Bombardment[J]. Soybean Science, 2013, 32(04):38. [doi:10.3969/j.issn.1000-9841.2013.01.009]
- [9] 王鹏飞, 刘丽君, 唐晓飞, 等. 适于体细胞胚发生的大豆基因型筛选[J]. (article.aspx?type=view&id=201301010) 大豆科学, 2013, 32(01):43. [doi:10.3969/j.issn.1000-9841.2013.01.010]
- WANG Peng-fei, LIU Li-jun, TANG Xiao-fei, et al. Screening of Soybean Genotypes Suitable for Somatic Embryogenesis [J]. Soybean Science, 2013, 32(04):43. [doi:10.3969/j.issn.1000-9841.2013.01.010]
- [10] 刘德兴, 年海, 杨存义, 等. 耐酸铝大豆品种资源的筛选与鉴定[J]. (article.aspx?type=view&id=201301011) 大豆科学, 2013, 32(01):46. [doi:10.3969/j.issn.1000-9841.2013.01.011]
- LIU De-xing, NIAN Hai, YANG Cun-yi, et al. Screening and Identifying Soybean Germplasm Tolerant to Acid Aluminum [J]. Soybean Science, 2013, 32(04):46. [doi:10.3969/j.issn.1000-9841.2013.01.011]
- [11] 葛振宇, 刘晓冰, 刘宝辉, 等. 大豆种子蛋白质和油份性状的QTL定位[J]. (article.aspx?type=view&id=201106003) 大豆科学, 2011, 30(06):901. [doi:10.11861/j.issn.1000-9841.2011.06.0901]
- GE Zhen-yu, LIU Xiao-bing, LIU Bao-hui, et al. QTL Mapping of Protein and Oil Content in Soybean[J]. Soybean Science, 2011, 30(04):901. [doi:10.11861/j.issn.1000-9841.2011.06.0901]
- [12] 毛婷婷, 姜振峰, 李文滨. 不同遗传背景和环境条件下大豆油分含量与产量性状的相关性和途径分析[J]. (article.aspx?type=view&id=201205011) 大豆科学, 2012, 31(05):744. [doi:10.3969/j.issn.1000-9841.2012.05.011]
- MAO Ting-ting, JIANG Zhen-feng, LI Wen-bin. Path and Correlation Analysis between Oil Content and Yield Related Traits of Soybean in Multi-Genetic Backgrounds and Multi-Environments[J]. Soybean Science, 2012, 31(04):744. [doi:10.3969/j.issn.1000-9841.2012.05.011]
- [13] 郑宝香, 满为群, 杜维广, 等. 高光效大豆光合速率与主要光合生理指标及农艺性状的关系[J]. (article.aspx?type=view&id=200803008) 大豆科学, 2008, 27(03):397. [doi:10.11861/j.issn.1000-9841.2008.03.0397]
- ZHENG Bao-xiang, MAN Wei-qun, DU Wei-guang, et al. Relationship Between Photosynthetic Rate, Main Photosynthetic Characteristics and Agronomic Characters for High Photosynthetic Efficiency Soybean[J]. Soybean Science, 2008, 27(04):397. [doi:10.11861/j.issn.1000-9841.2008.03.0397]
- [14] 杨雪峰, 齐宁, 林红, 等. 不同类型大豆蛋白质、脂肪含量与异黄酮含量的相关性研究[J]. (article.aspx?type=view&id=200705013) 大豆科学, 2007, 26(05):705. [doi:10.3969/j.issn.1000-9841.2007.05.013]
- YANG Xue-feng, QI Ning, LIN Hong, et al. CORRELATION BETWEEN ISOFLAVONES CONTENT AND PROTEIN AND OIL CONTENT IN DIFFERENT SOYBEAN GERMPLASMS[J]. Soybean Science, 2007, 26(04):705. [doi:10.3969/j.issn.1000-9841.2007.05.013]
- [15] 栗文霞, 郑浩宇, 屈春斌, 等. 鼓粒期间不同品质类型大豆植株酚酸含量变化规律研究[J]. (article.aspx?type=view&id=201605011) 大豆科学, 2016, 35(05):772. [doi:10.11861/j.issn.1000-9841.2016.05.0772]
- LI Wen-xia, ZHENG Hao-yu, QU Chun-yuan, et al. Change of Ureides Content in Different Quantily Soybeans During Seed Filling Period[J]. Soybean Science, 2016, 35(04):772. [doi:10.11861/j.issn.1000-9841.2016.05.0772]
- [16] 甘淑萍, 闫强, 崔晓霞, 等. 大豆疫霉菌侵染对大豆木质素含量及合成关键基因表达的影响[J]. (article.aspx?type=view&id=201605014) 大豆科学, 2016, 35(05):789. [doi:10.11861/j.issn.1000-9841.2016.05.0789]
- GAN Shu-ping, YAN Qiang, CUI Xiao-xia, et al. Lignin Content and Expression of Key Biosynthetic Genes in Soybean upon Infection by P sojae[J]. Soybean Science, 2016, 35(04):789. [doi:10.11861/j.issn.1000-9841.2016.05.0789]
- [17] 周淑莉, 李冬梅, 杨玉莹, 等. 大豆GmMYI-基因的克隆及初步功能预测[J]. (article.aspx?type=view&id=201606026) 大豆科学, 2016, 35(06):1037. [doi:10.11861/j.issn.1000-9841.2016.06.1037]
- ZHOU Shu-li, LI Dong-mei, YANG Yu-ying, et al. Molecular Cloning and Preliminary Functional Prediction of GmMYI in Soybean[J]. Soybean Science, 2016, 35(04):1037. [doi:10.11861/j.issn.1000-9841.2016.06.1037]

更新日期/Last Update: 2014-04-04