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[1]解艳华.大豆DUS测试标准品种测试性状表达差异性分析[J].大豆科学,2007,26(02):284-286.[doi:10.3969/j.issn.1000-9841.2007.02.035]
XIE Yan-hua.DIFFERENCE ANALYSIS ON DUS TRAITS OF SOYBEAN STANDARD VARIETIES[J].Soybean Science,2007,26(02):284-286.[doi:10.3969/j.issn.1000-9841.2007.02.035]

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大豆DUS测试标准品种测试性状表达差异性分析

《大豆科学》 [ISSN:1000-9841 /CN:23-1227/S] 卷： 第26卷 期数： 2007年02期 页码： 284-286 栏目：
出版日期： 2007-04-25

Title: DIFFERENCE ANALYSIS ON DUS TRAITS OF SOYBEAN STANDARD VARIETIES

文章编号： 1000-9841(2007)02-0284-03

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关键词： 大豆DUS测试 (KeySearch.aspx?type=KeyWord&Sel=大豆DUS测试)；标准品种 (KeySearch.aspx?type=KeyWord&Sel=标准品种)；符合系数 (KeySearch.aspx?type=KeyWord&Sel=符合系数)；差异性分析 (KeySearch.aspx?type=KeyWord&Sel=差异性分析)

Keywords: Soybean DUS testing (KeySearch.aspx?type=KeyWord&Sel=Soybean DUS testing); Standard variety (KeySearch.aspx?type=KeyWord&Sel=Standard variety); COC (KeySearch.aspx?type=KeyWord&Sel=COC); Difference analysis (KeySearch.aspx?type=KeyWord&Sel=Difference analysis)

分类号： S565.1

DOI: 10.3969/j.issn.1000-9841.2007.02.035 (http://dx.doi.org/10.3969/j.issn.1000-9841.2007.02.035)

文献标志码： A

摘要： 用符合系数（COC）对大豆DUS（特异性、一致性和稳定性）测试标准品种在黑龙江生态条件下的性状表现与测试指南的差异性进行了分析。结果显示：除吉林20、铁丰20的符合系数小于0.95外，共余均大于0.95，东农42、湘春豆17、哲春3号、早熟18、矮脚早、东农95019、韦尔金、中黄3号、东农黑豆1号的符合系数等于1，符合系数大小与品种的来源无显著关系。约3/4的测试性状的符合系数大于0.99，其中13个性状的符合系数为1；85.71%的必测性状的符合系数大于0.99，71.43%的必测性状的符合系数等于1，质量性状符合系数大于数量性状符合系数，质量性状中100%的性状符合系数大于0.98；数量性状中生育期的符合系数最小，株高次之。

Abstract: Coefficient of Coincidence(COC) was employed to analyze the variance of DUS traits of soybean standard varieties when they were planted in Heilongjiang. The results showed that the COC of almost all the standard varieties were more than 0.95 except Jilin 20 and Tiefeng 20, for some varieties including Dongnong 42,Xiangchundou, Zhechun 3, Zaoshu 18, Aijiaozao, Dongnong 95019, Weierjin, Zhonghuang 3,Dongnongheidou 1, their COC were 1. There was no relationship between the size of COC and the origin of soybean varieties. The COC of 76.19% DUS traits were more than 0.99, among them, the COC of 13 traits were 1;the COC were more than 0.99 for 85.71% of essential DUS traits and 1 for 71.43% of essential DUS traits. The COC of qualitative traits were bigger than that of quantitative traits. For all the qualitative traits, their COC was more than 0.98. Among quantitative traits, the COC was the smallest for growth period and plant height was next to it.

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备注/Memo 作者简介：解艳华（1962-），女，高级农艺师，从事作物育种及植物新品种DUS测试工作。

更新日期/Last Update: 2014-10-22