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农业基础科学

# 饲草高粱区域试验新杂交种综合评价

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摘要：

采用模糊数学综合评判方法，综合评价了2003年国家饲草高粱杂交种区域试验材料。结果表明，6个饲草高粱杂交种中，其中晋草1号、健宝两个品种以每公顷产量、丰产素质为主，包括抗病性、抗倒性、株高在内的综合性状明显优于对照皖草2号，达到优良的评价标准，其综合指标值分别比对照增加17.51%和15.95%。辽草1号、苏波丹综合性状比对照稍有减产，但减产幅度不大；综合评价为较好或一般，润宝1号、润宝2号比对照减产幅度很大，综合评价为较差。模糊数学评判方法，客观的反映了品种的综合特性，克服了仅用产量指标评价品种优劣的不足，对新品种的审定、推广都具有积极重要的意义。

关键词： 饲草高粱 杂交种 综合评价

## Comprehensive Evaluation of New Forage Sorghum Hybrids Tested in Various Regions

Abstract:

By comprehensive appreciating method of fuzzy mathematics, comprehensive evaluation was made to new forage sorghum hybrids tested in various regions in 2003. The results showed among 6 new forage hybrids Jincao 1, Jumbo were significantly superior to the control Wancao 2 in forage yield per hectare, yield characters and comprehensive characters, such as disease resistance, lodging resistance and plant height. Their performance were superior by evaluation criterion. Value of their comprehensive index increased by 17.51% and 15.95% respectively. Comprehensive characters of Liaocao 1, Superdan were similar to the control and evaluated as relative or mediocre，Ruibao 1, Ruibao 2 were inferior to the control and evaluated as poor. Comprehensive appreciating method of fuzzy mathematics reflected objectively comprehensive characters and overcame shortcomings of evaluation by yield index. Also it had practical meaning to evaluation and release of new varieties.

Keywords: Forage sorghum Hybrid Comprehensive evaluation

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