研究论文

杂交中稻再生力的鉴定方法

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摘要　　2002－2003年分别以25个和18个杂交中籼迟熟组合为材料，从头季稻与再生力密切相关的若干性状中选择了可操作性强的5个性状进行与再生稻产量间的定量研究，提出了根据头季稻（前期）"分蘗力"、（中期）齐穗期"单位颖花茎鞘干物重占有量"和（后期）头季稻收后第5日头季稻桩再生芽的"出鞘率"3个性状，将杂交中稻再生力分为4级，其准确率达86.05%～93.02%，为杂交中稻强再生力组合的选育，提供了理论和实践依据。

关键词　　杂交中稻　再生力　鉴定方法

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Evaluation Method of Ratooning Ability of Mid-season Hybrid Rice

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Abstract　The experiment was conducted with 43 hybrids in a randomized block design with 3 replications in 2002－2003. The relationship between characters of main crop and ratooning yield were studied by analysis of correlation and regression. The results indicated that the ratooning ability of mid-season hybrid rice could be divided into 4 grades based on 'tillering ability at top tillering' (early stage), 'ratio of stem dry weight to number of grains per plant at full heading' (middle stage) and 'ratio of stems of ratooning bud to total stems at 5th day after harvest' (latter stage) for main crop, and the accuracy percentage prediction was 86.05%－93.02%. This paper provides a theoretical and practical way for selecting cultivar with good ratooning ability.

Key words　Hybrid mid-season rice　Ratooning ability　Evaluation method

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