

研究论文

# 普通野生稻(*Oryza rufipogon* Griff)花药培养研究—— I .提高花粉愈伤组织诱导率和绿苗分化率的研究

庞汉华, 舒理慧, 吴妙燊, 孙恢鸿

中国农业科学院品种资源研究所

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**摘要** 对79份采自广西不同地理环境的不同类型的普通野生稻进行了花药培养研究,发现不同类型材料的花培力有较大的差异,有41个编号的材料得到花粉绿苗。试验结果表明:孕穗期施复合肥料不仅提高了供体植株的营养水平,而且也明显地提高了花粉愈伤组织诱导频率。接种前稻穗用6—8℃低温预处理8—12天,愈伤组织诱导率和绿苗分化率可提高1—2倍。应用改良N6培养基和适时转移愈伤组织都有明显提高花培效率的作用。

**关键词** [花药培养](#) [愈伤组织](#) [绿苗](#) [诱导率](#) [分化率](#) [培养基](#)

分类号

## Studies on the Anther Culture of *Oryza rufipogon* Griff I .Studies on the Enhancement of the Induction Rate of Callus and the Differentiation Rate of Green Plantlet

Pang Hanhua, Shu Lihui, Wu Miaoxin, Sun Huihong

Institute of Crop Germplasm Resources Chinese Academy of Agricultural Sciences) Shu Lihui (Department of Biology Wuhan University) Wu Miaoxin (Institute of Crop Germplasm Resources Guangxi Academy of Agricultural Sciences

**Abstract** 79 entries of *O. rufipogon*, belonging to different types, collected from various geographical environments in Guangxi Province, were studied in anther culture. The results indicated that different types of *O. rufipogon* are quite different from each other in their potentials for anther culture. Pollen green seedlings were obtained in 41 of the 79 entries used. The results also indicated that the application of complex fertilizer at booting stage could elevated not only the nutrition level of the donor plants, but also so that...

**Key words** [Anther culture](#) [Callus](#) [Green plantlet](#) [Induction rate](#) [differentiation rate](#) [Medium](#)

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