

研究论文

芥菜型油菜(Brassica Juncea)杂种优势利用的研究

史华清, 龚瑞芳, 庄丽莲, 龙肖平

云南省农科院油料所

收稿日期 1990-7-2 修回日期 1991-1-2 网络版发布日期 接受日期

摘要 1973年,本院发现芥菜型油菜雄性不育株后,经连续几年研究,1975年育成了欧新 A 不育系,欧新 B 保持系和74243—6恢复系,实现了芥菜型“三系”配套。多年来连续测定表明,育成的芥菜型“三系”表现育性稳定,欧新 A 不育系的不育株率达100%,单株自交结实指数平均在0.000—0.103之间。恢复株率为99.54~100%,F₁杂种有较强的苗期优势,也有种子产量和含油量优势。比芥菜型地方良种昆明高棵增产19.2~34.8%,含油量提高6.58~8.23%。芥菜型“三系”的育成,填补了我国芥菜型杂优利用的空白,势将推动芥菜型油菜杂优利用的研究。

关键词 [芥菜型油菜](#) [三系](#) [杂种优势](#)

分类号

Studies on the Utilization of Heterosis in Mustard(Brassica Juncea)

Shi Huaqing, Gong Ruifan, Zhuan Lilian, Long Xiaoping

Oilseed Crop Institute of Yunnan Academy of Agricultural Sciences

Abstract A male sterile plant of mustard was found in 1973. After several years of study, ams line, European-Xinping A, a maintenance line, European-Xinping B, and a restoring line, 74243-6, were successfully developed and a set of “three lines” was accomplished in 1975. The set manifested high stability of sterility through successive years of study. The ms line European-Xinping A showed 100% sterility. The selfed seed-setting indexes averaged 0.000 to 0.103. The restored plant rate amounted to 99.54 to 100%. There was fairly strong...

Key words [Brassica juncea](#) [Three lines](#) [Heterosis](#)

DOI:

通讯作者

扩展功能

本文信息

▶ [Supporting info](#)

▶ [PDF\(411KB\)](#)

▶ [\[HTML全文\]\(0KB\)](#)

▶ [参考文献](#)

服务与反馈

▶ [把本文推荐给朋友](#)

▶ [加入我的书架](#)

▶ [加入引用管理器](#)

▶ [复制索引](#)

▶ [Email Alert](#)

▶ [文章反馈](#)

▶ [浏览反馈信息](#)

相关信息

▶ [本刊中包含“芥菜型油菜”的相关文章](#)

▶ 本文作者相关文章

· [史华清](#)

· [龚瑞芳](#)

· [庄丽莲](#)

· [龙肖平](#)