

THE ANALYSIS OF COMBINING ABILITY TO THE HYBRID *S.TUBEROSUM* AND *S.NEO-UBEROSUM*

Jiang Xingya, Ren Xiyang, Wang Fengyi

ABSTRACT

The combining ability effects of yield, tuber weight per plant, starch content and drymatter content were studied in a partial diallel cross experiment at Agricultural Scientific Institute of Hulunbeir League. The result suggested that the difference of general combining ability (GCA) effects of eight breeding lines were significant, and special combining ability(SCA)effects of 15 hybridized combination were not. Based on analysis of population combining ability, GCA variation was 70~80% of total combining ability variation. This meant that expression of the four characters studied were determined mainly by additive gene effects. Evaluated comprehensively, breeding lines "83-3042", "S77-28", "S77-106" and "NS79-12-1" were superior lines for potato breeding and true potato seed production.

全国农作物品种审定委员会马铃薯专业组工作会议召开

在全国农作物品种审定委员会的组织和安排下, 1986年9月19日~20日, 马铃薯专业组在哈尔滨市召开了工作会议。这次会议的主要任务是, 审(认)定1986年中报的马铃薯品种。出席会议人员有甘薯、马铃薯审定组组长盛家康, 副组长毕为人, 顾问杨洪祖, 委员滕宗瑞、刘诚、唐洪明, 东北、华北片区试主持单位代表暴成光、郭振国、李宝村, 东北农学院代表陈伊里以及黑龙江省种子公司副经理杨艾茹, 全国种子总站叶超林, 共12人。

会议根据《全国农作物品种审定试行条件》和1981年郑州审定会议确定的审(认)定品种条件, 对全国马铃薯品种1983~1985年区域试验总结会议提出的并由育成单位申报的5个马铃薯品种, 即“克新2号”、“克新3号”(申报单位: 黑龙江省农科院马铃薯研究所)、“东农303”(申报单位: 东北农学院)、“坝薯9号”、“坝薯10号”(申报单位: 河北省张家口地区坝上农科所), 进行了认真的审定。在充分讨论的基础上, 通过无记名投票的方式, 一致同意审定“克新2号”、“克新3号”、“东农303”为国家级推广品种, “坝薯9号”需补报生产示范的证明后同意审定。以上4个品种将提交常委会。“坝薯10号”由于育成年限短, 推广面积不大, 暂缓审定。此外, 与会人员就有关区试及审(认)定的一些问题, 结合马铃薯品种审定进行了讨论, 提出一些改进意见。特别是对参加区试的标准品种, 要用原种并统一一种源, 以保证新推广品种的质量。

..(唐洪明)