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研究简报

小麦新品种花培5号的选育特点及应用前景

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摘要:

花培5号是河南省农业科学院农作物新品种重点实验室采用豫麦18与花4 3杂交，对其F_1代花药进行培养选育成功的小麦新品种，2006年通过国家审定。其选育特点是：亲本性状互补性好、遗传基础丰富；组合诱导率高，育种群体大；后代选择以群体表现为主，选择准确性高；进行异地产比试验，缩短了育种周期。花培5号经黄淮区试、生产试验和推广种植表现出丰产性、稳产性和广适性好，品质优良，适宜于黄淮南片麦区高中产水肥地中晚茬种植。

关键词： 小麦；花药培养；花培5号

Breeding Characteristics and Applying Foreground of a New Wheat Variety Huapei No. 5

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Abstract:

Huapei No. 5 was a new wheat variety developed through crossing Yu No.18 with Hua No. 4-3 by Crop New Variety Key Laboratory of He'nan Academy of Agricultural Sciences. It was released by anther culture and certified by national crop variety releasing committee in 2006. The breeding characteristics of Huapei No. 5 were as follows: two parents complement well; its genetic background was rich; the combination presented a high inducing rate that provided a large amount of separate population; the progenies population characters were used as main selection target which enhance the selective accuracy; its yield comparative test was carried out at two different areas, which shortened the breeding period. Through Huanghui regional test, production test and extention and planting practice, Huapei No. 5 is proven to be an excellent winter wheat variety with properties of high and stable yield, good quality, and extensive adaptability. It is suitable to grow as a mid-late seeding variety in mid-high yield and water-fertilizer field in southern Huanghui winter wheat region.

Keywords: wheat anther culture Huapei No. 5

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