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石榴新品种‘中石榴2号’的选育

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摘 要:‘中石榴2号’是以‘突尼斯软籽’为母本、‘豫大籽’为父本杂交选育而成的抗病性强的早熟半软籽新品种。果实近圆形,平均单果质量450 g;果皮光洁明亮,果面红色,着色率超过85.0%;籽粒红色,汁多味酸甜,出汁率85.7%,核仁半软(硬度4.16 kg·cm^{-2})可食用;可溶性固形物含量超过15.0%,品质优良。该品种树势强健,萌芽率高,成枝力强,幼树以中、长果枝结果为主,成龄树中、长、短果枝均可结果,自然坐果率高,超过80.0%,且大小年现象不明显,栽培容易。

关键词:石榴;新品种;‘中石榴2号’;抗病;早熟

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A new pomegranate cultivar ‘Zhongshiliu 2’

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Abstract: ‘Zhongshiliu 2’ was selected by Zhengzhou Fruit Research Institute of Chinese Academy of Agricultural Sciences. It is a new resistance early-maturing pomegranate variety, we selected it from cross-fertilize of ‘Tunisiruanzi’ which was introduced to China in 1986 and ‘Yudazi’ which was endemic to Henan province. Cross-fertilize were proceeded in June 2002. Hybrid fruits were obtained in September 2002, and then were hid in sand for the winter. Seeds were germinated in March 2003 and sowed in April. 2 520 hybrid seedlings were obtained eventually. The hybrid seedlings were planted in resources nursery of Zhengzhou Fruit Research Institute of Chinese Academy of Agricultural Sciences with 0.5 m × 2 m distance between plants in March. They were managed under conventional management. Fruits were observed firstly in 2006, after 3 years investigate of plant growth characteristics and fruit traits in 2007—2009. 12 pomegranate superior lines were selected and named as ‘Zhengliu 1’ to ‘Zhengliu 12’. Among them, ‘Zhengliu 5’ has the advantage of high yield, disease resistance and other aspects of outstanding performance temporarily named ‘Zhongnonghongyu’ and then named ‘Zhongshiliu 2’ officially. In 2010, the experiment was carried out through top grafting, and more than 3 000 seedlings were planted by light atomization and rapid propagation technology. The experimental orchard of ‘Zhongshiliu 2’ superior lines was established. In the spring of 2011, 300 strains of pomegranate trees were grafted by top grafting Kejing town in Jiyuan city with a distance 2 m × 4 m. Then regional adaptability testing of this optimal system was at Wuyang district in Luohe city, Shanyang district in Jiaozuo city, Huojia district in Xinxiang city with more than 300 strains, spacing 2 m × 3 m. Moreover, ‘Tunisiruanzi’ was cultured as control. After continuous observation for many years, the characters of ‘Zhongliu 2’ showed: large fruit, high yield, disease resistance, early-mature, perfect appearance and semi-soft seed. Fruit average weight was 450 g, maximum fruit weight was 690 g. The appearance of the strain was pretty. The fruit was nearly round, and the fruit peel was bright and clean. The fruit surface was red. The coloring rate was over 85%, and fruit cracking was not obvious. Grain red, juicy flavor was sweet and sour, the juice rate was 85.7%, the nucleolus semi-soft (hardness 4.16 kg·cm^{-2}) which was edible. ‘Zhongshiliu 2’ was a small shrub, the tree per-

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