

晚熟油桃新品种‘福美’的选育

李延菊,张福兴*,刘美英,孙庆田,张序,王玉霞,田长平,李芳东

(山东省烟台市农业科学研究院,山东烟台 265500)

摘要: ‘福美’是由‘瑞光19号’×(‘北京晚蜜’+‘冠华蜜桃’+‘贾家甜油桃’等)杂交选育的晚熟油桃新品种。果实圆形,平均单果质量174.7 g,果皮全面着深红色,果肉乳白。果肉脆,硬溶质,风味甘甜微香,可溶性固形物含量19.8%。去皮硬度11.5 kg·cm⁻²,离核,可食率97.9%。在山东烟台地区一般8月下旬至9月上旬成熟,果实发育期120 d左右;早果、丰产。适宜在山东、河北、北京等地区栽培,定植后第2年开始结果,4 a生树产量34.8 t·hm⁻²。

关键词: 油桃; 新品种; ‘福美’; 晚熟

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Breeding of a new late ripening nectarine cultivar ‘Fumei’

LI Yanju, ZHANG Fuxing*, LIU Meiyang, SUN Qingtian, ZHANG Xu, WANG Yuxia, TIAN Changping, LI Fangdong

(Yantai Academy of Agricultural Sciences, Yantai 265500, Shandong, China)

Abstract: ‘Fumei’ is a late-ripening nectarine cultivar with excellent appearance. The original seeding was derived from a cross between ‘Ruiguang 19’ and (‘Beijingwanmi’+ ‘Guanhuaxuetao’ + ‘Jiajiatianyoutao’ et al.) in 1999 at experimental field. It was initially selected in 2004 for its bright colors and late ripening stage. Through artificial hybridization pollination, 361 hybrid seeds were got. After regional adaptability testing at four sites (including Beijing, Shijiazhuang, Xi’an, Taiyuan) over 8 years from 2006 to 2014, it was finally selected in 2014. ‘Fumei’ is a dwarfing tree cultivar, attaining a height of 4–5 m; the tree is vigorous with ramose crown and upright tree gesture. Young branches are glabrous, yellowish-brown in color. Leaves are broad-lanceolate, acuminate, 16.28 cm long, 3.6 cm wide, serrated. Flower is pink, 3.9 cm across. Fruit is mainly round, has dark red surface. Its flesh is white, crisp, hard melting and tasting sweet. The average fruit mass is 174.7 g, maximum fruit mass is 293.2 g. the content of soluble solid is 19.8%, the content of total sugar is 15.77%, the content of total acid is 0.2%, the sugar-acid ratio is 78.85, hardness without skin is 11.5 kg·cm⁻², vitamin C is 77.3 mg·kg⁻¹, freestone, and the edible rate is 97.9%. Quality is excellent. The fruit development period is about 120 d and it matures from the end August to early September in Yantai area; proportion of flower buds/leaf buds is 108.5%, single flower bud/complex flower buds is 205.3%. Branching ability is great and yield is high and stable. It is resistant to coldness, powdery mildew and moderate resistant to fruit cracking, etc. Suitable cultivation area is North China peach producing, this variety can bear fruits next year after planted, has high yield potential. The yield of 4-year-old trees is about 34.8 t·hm⁻². Orchard should choose neutral sandy soil which is flat and has ability of moisture and fertilizer retention; spacing in the rows and spacing between rows are 3 m×(4–5) m with open-centered training, and spacing in the rows and spacing between rows are (1.5–2) m×4 m with central leader-type training; pruning includes pinching, bending and back spune, aiming at controlling tree size and maintaining tree vigor.

Key words: Nectarine; New cultivar; ‘Fumei’; Late ripening

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作者简介:李延菊,女,高级农艺师,主要从事核果类果树育种与栽培研究。Tel:0535-5528875, E-mail:liyanju114@163.com

*通信作者 Author for correspondence. Tel:0535-6357169, E-mail:gsszfx@163.com