Cultivation performance of Blood Orange No.8 in Wanzhou District, Chongqing City

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Abstract: To evaluate cultivation performance of blood orange No.8 in Chongqing Wanzhou, we separately brought in the scions of this variety to 5-year-old ‘Tarocco’ blood orange new line which was on ’Carrizo’ citrange [Poncirus trifoliata (L.) Raf.]*Citrus sinensis Osbeck] rootstock. 3 orchards were chose to grow the scions in Ganning town of Wanzhou ,Chongqing in 2017. Through 5 years’ follow-up survey, the results showed that blood orange No.8 was suitable for local climate, which got high survival rate, was easy to flower and had high fruition rate. The average fruit weight was 197.1g, TSS was 11.9%, TA was 0.7%, Vc was 42.0 mg/100ml, anthocyanin was 33.6mg/L, general flavone was 831.7mg/kg, and juice content was 58.8% on average. The average yield of the three orchards in 2019 was 17.6kg every tree, and 31.3kg every tree in 2020, 41.3 kg every tree in 2021. Therefore, Blood orange No.8 is very suitable for development in Wanzhou, Chongqing and can be used as an reserve variety.