

**FLOWERING AND FRUIT DEVELOPMENT  
CHARACTERISTICS OF THE SWEETSOP (*Annona squamosa*  
L.) CULTIVAR GROWN ON TINH BIEN DISTRICT, AN  
GIANG PROVINCE**

**Tran Van Hau, Huynh Anh Kiet, Tran Sy Hieu  
Summary**

This study was aimed to determine the characteristics relating to the process of flowering and fruit development of the sweetsop (*Annona squamosa* L.) cultivar grown in Tinh Bien district, An Giang province. Experiment, from august 2018 to february 2019, was implemented on 15 trees, at the age of 6-year-old. The observed parameters included: flowering, fruit set, young fruit abscission, and fruit development. Moreover, yield and fruit quality were also determined. The results showed that sweetsop started to flower from the commence of the dry season (november). The period from flower bud emergence to blooming prolonged within  $16,9 \pm 6,9$  days. Fruit development was reflected by a simple curve, i.e. slow within the first 5 weeks, then faster until the 11<sup>th</sup> week and stable until harvesting. The average weight of fruit at harvesting time is  $152,3 \pm 11,3$  g, with an average yield of  $17,4 \pm 1,9$  kg/tree. Vitamin C content in fruit was  $12,4 \pm 2,1$  mg per 100 g of fruit flesh. The dry matter of fruit was  $27,5 \pm 3,0$  (%) of fruit weight. The average °Brix of fruit flesh was  $26,3 \pm 3,1$ (%).

**Keywords:** *Sweetsop, Annona squamosa* L., *flowering, An Giang province.*