

# **RESULTS OF THE STUDY ON GROWTH CHARACTERISTIC, FLOWERING AND FRUIT SETTINGPHYSIOLOGY OF XUAN VAN PUMMELO CULTIVAR GROWN IN TUYEN QUANG PROVINCE**

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Summary**

With the aim to find scientific based cultivating technology for improving the productivity and quality of Xuan Van pummelo cultivar, a study on this variety's growth, flowering, and fruiting characteristics was conducted in Yen Son district, Tuyen Quang province. Results have been recorded on these characteristics. Like other pummelo varieties, Xuan Van one usually has four kinds of annual buds emerged at non bearing period and three ones including spring, summer and autumn buds at bearing period. These buds are often started and finished a little bit earlier than those of Dien pummelo in which highest quantity of bud was normally observed on the spring one and number of autumn buds are more than those in the summer. The flower initiation of Xuan Van pummelo was usually occurred before December, nearly 1 month earlier than that of Dien pummelo whereas its flowering period was similar to Dien pummelo, lasting 20 - 27 days; its blooming time is earlier than Dien ones in the same climatic conditions. Xuan Van pummelo's physiological fruit drop occurs at 5 to 7 days after flowering completion and lasts for nearly 2 months (from the first half of March to the first half of May). Xuan Van pummelo's fruits concentrately develop in 45 - 60 days after the last physiological fruit drop completed and can be harvested earlier than Dien variety, usually in every late September and early October.

**Keywords:** *Xuan Van pummelo, growth characteristic, flowering physiology, Tuyen Quang province*