

# **A STUDY ON THE GROWTH AND PRODUCTIVITY OF KOREA INTRODUCED MELON CULTIVARS IN THAI NGUYEN PROVINCE**

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**Summary**

The research into growth, yield and quality of 8 melon varieties introduced from South Korea and a local one named Ngan Huy used as control cultivar was conducted at Thai Nguyen University of Agriculture and Forestry in Spring and Autumn-Winter crops of 2017 in which randomized complete block (RCB) with three replications was designed . The results shown that Chamsa Rang and Geum Je cultivars were regarded as the best ones in terms of short growth duration (92 -100 days), attractive fruit appearance, yellowish-white striped skin, elongated-oval fruit shape, larger fruit size and firmer fruit peel, good resistance to pests. These cultivars yielded 22.33 and 22.67 tons of fruit/ha in the Spring crop; 17.97 and 17.74 tons/ha in the Autumn-Winter crop respectively. Brix degree reached 13.1 and 13.5% in the Spring-summer crop, and 13.9 and 13.6 % in the Autumn-Winter crop, respectively. In addition, longer storage duration (10 – 12 days compared to 3 – 5 days for control cultivar) and better sensitive appraisal of Chamsa Rang and Geum Je were also clearly proved.

**Key words:** *Korean melon, variety, growth, yield, quality, Thai Nguyen.*