

**RESEARCH ON THE IMPACT OF THE FACTORIES
AFFECTING THE GROWTH OF ANISE (*Illicium verum* Hook)
IN BINH GIA DISTRICT, LANG SON PROVINCE**

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Summary

Anise species was identified as the leading and long-term strategic tree of Lang Son province, with an area of 32,000 ha, accounting for about 71% of the total area of the country. The growth of Anise tree is influenced by many different factors, in which the site plays an important role, creating an unique feature of Anise tree in Lang Son. The results of this study have identified some basic factors affecting the growth of Anise tree namely: In places where pH is 4.11, $D_{1.3}$ at ages ranging from 3.85 cm to 23.7 cm and H_{vn} varies from 1.65 m to 5.35 m. In places where pH is 5.17, $D_{1.3}$ in the age ranges from 4.2 cm to 25.05 cm and H_{vn} varies from 1.8 m to 5.85 m. The results showed that in the content of the humus at 2.81%, the diameter varies from 4.2 cm to 25.05 cm and height varies from 1.8 m to 5.85 m. In place with the humus content of 1.6%, the diameter varies from 3.85 cm to 23.7 cm and the height varies from 1.65 m to 5.35 m. The result showed that the most suitable function is S (equation $D_{1.3} = \exp(20.614 - 0.197 / OM)$) with coefficients $R = 0.72$ and $Sigf = 0.001$ in the tested equations. Select S as a function to simulate the relationship between diameter and the humus content.

Keywords: *Binh Gia, anise, site, Lang Son, growth.*