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## Effects of the Size of Viviparous Seeds of *Kandelia candel* on the Initial Growth after Planting

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**Abstract:** In this study of the conditions of viviparous seed usable for seedling production, we examined the effects of size of viviparous seeds of *Kandelia candel* and the formation of root premodia on the growth of the seedlings. Root premodia were formed in viviparous seeds larger than 2 cm in length, and the larger the viviparous seed, the greater the number and size of root premodia. In addition, the larger the viviparous seed, the greater the number of roots and shoot elongation. These phenomena were similar to those in common plant seeds, but viviparous seeds smaller than 6 cm in length died in the process of growth. Viviparous seeds 8 cm in length or larger showed 100% rooting, and were considered to be useful for seedling production of *Kandelia candel*.

**Keywords:** *Kandelia candel*, size, viviparous seed, root premodia, initial growth

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