

Response of Adzuki Bean Varieties to the Broadcasting  
Culture. and Planting Densities<sup>1</sup>

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**Abstract**

Experiments were conducted at two locations of Pingtung county in fall-winter crop season from 1989 to 1991. The results showed that among different seed size of five tested varieties, including large seed size (68-I-J), middle seed size (68-I-A, Kaohsiung 3 and 5) and small seed size (Pingtung Native), the cultivar Kaohsiung 5 was observed as the most suitable variety for the broadcasting cultivation. The cultivar Kaohsiung 3 was not adapted due to severe yield reduction compared to conventional drilling practice. Generally, the seed yield was slightly lowered in broadcasting culture, but its profit was higher because of its low input.

In addition, optimum seed amount for sowing was found about 80kg per hectare in Kaohsiung 5 when broadcasting method was practiced.

Key words : Adzuki bean, Variety, Broadcasting, Density

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