

# **The Development of New Vegetable Soybean Variety Kaohsiung No.5.**

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## **Summary**

Kaohsiung No.5, a new variety of vegetable soybean, was selected from the population of Ryokukou, a variety introduced from Japan. The first step was the selection of superior single plants followed by the evaluation of those selected lines through a series of yield trials and relevant experiments. Ryokukou-74 which performed the best was finally named as Kaohsiung No.5. The main characteristics of Kaohsiung No.5 were as follows :

1. Plants height is about 32-55cm with 8-9 nodes along main stem. The flower is white and the oval leaflet is dark green.
2. The pod of Kaohsiung No.5 is large of which pod length is 5.3-6.1cm and pod width 1.3-1.4cm. Fresh weight of 100 fresh seeds is 71-89 grams while dry weight of 100 mature seeds is 38-44 gram. The color of seed coat is light green. The fresh pod tastes very nice for freezing food.
3. Kaohsiung No.5 starts flowering 26-35 days after planting and its fresh pod could be harvested 66-79 days after planting. It is sensitive to growth environment such as low temperature and long time shading, which will influenced yield stability. Therefore choosing optimal planting date is very important.

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