

Development of New Adzuki Bean Variety Kaohsiung No.6¹

C.C.Hsu, Y.R.Chen and C.L.Lin²

Abstract

In order to improve the seed yield, seed quality and agronomic traits of adzuki bean cultivars that are acceptable for producers, processors and consumers, Kaohsiung DAIS does its endeavor to carry out the breeding program by means of hybridization, and a new adzuki bean variety Kaohsiung No.6 was released to farmers in 1993.

Kaohsiung No.6 was selected from the cross combination between Kotobuki Shiozu and KS542, it was crossed in the fall-winter crop of 1982, and the superior line KA71-02-329 was selected in 1985. After several yield trials and tests for powdery mildew resistance, planting density and fertilizer responses, the strain was finally named as Kaohsiung No.6 on December 27, 1993.

Kaohsiung No.6 is adapted for fall-winter crop in Kaohsiung, Pingtung and Tainan areas, the seed yield was in the range of 2,000~3,300kg/ha, which is 7%~17% higher than the check cultivar Kaohsiung No.5. The new variety has two superior characteristics to check variety, including taller plant height and uniform defoliate at mature stage, in terms of combine harvest. Thus Kaohsiung No.6 is suitable for both labor-saving cultural practices and combine harvest. In addition, the seed qualities such as seed size, seed coat color and bean paste processing suitability are accepted both by the processors and consumers.

Key words : Adzuki Bean, Breeding, Variety.

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 2. Associate Agronomist, Assistant and Technician of Kaohsiung DAIS, respectively.