

Development of soybean variety Hualien no. 2¹

Chien-Sheng Chang² Pin-Hsi Jan³ Wen-Hsien Chien⁴ Chuan-Hsiao Tin⁵

summary

Soybean variety Hualien No 2 was a selection from the progenies of a cross between Tar-lien-Tow and Her-Ger-Dow, its a semideterminate type with high-yield capacity, Small leaf area and leaf angle. The average yield of Hualien No. 2 in the regional and local yield trials were increased by 20.3% and 22.6% than the released cultivar Hualien No 1. in spring and summer crop, respectively. Due to its less stiffness of the stem, Hualien No 2 was slightly apt to lodging at maturity. It is suitable to be sown on early July in summer crop and the best planted density was 60 X 10-15cm. This variety was suitable in the eastern coast of Taiwan, especially in summer crop, with high yield capacity and superior agronomic traits of this variety. The variety is expected to be expansion rapidly in Hualien area.

¹. Research Article No.42 of Hualien District Agricultural Improvement station.

². Assistant Agronomist, Division of Crop Improvement.

³. Assistant, Division of Crop Improvement.

⁴. Agronomist and chief, Division of Crop Improvement.

⁵. Agronomist and secretary of the station.