

Comparison on the Yield and Quality in Two Annual Buplevers (*Bupleurum falcatum* L.)¹

Chiou-Lan Huang²

Abstract

Buplever is one kind of the valuable exploiting medicinal crop in Taiwan . At the present time , the cultivars of buplever were about two populations , one is *B. falcatum* TARI No.1 variety developed through mass selection from three sources of *B. falcatum* L. imported from Japan in 1968, released as a new variety in 1989. Another population introduced in 1986 also from Japan and carried out the adaptability cultivation at Taitung region. The objectives of this study was to make evaluation of these two populations by cultural practice.

In comparison between two populations , the difference in the growth characteristics , yield and saikosaponins contents were rather obvious . *B. falcatum* TARI No.1 appeared earlier bolting and flowering , higher plant height as well as richer saikosaponins owing to its more branch roots, and thus the yield became lower. However the population of new introduced *B. falcatum* L. were in the converse status.

Key words : Buplever, Culture, Comparison test.

¹A part of author's master thesis.

²Assistant Agronomist of Taitung DAIS.