

## **Evaluation of Growth Stages for Rice Variety Taitung 30 at Taitung Area.**

**Wen-Yen Ting<sup>1</sup>**

### **Abstract**

This study want to use the development of rice's leaf expansion as index, the development of other organs including tillers and panicles can also be predicated. Results indicated that the rice variety Taitung 30 had 15 leaves in the main stem when cultured at Taitung city; Taikeng 9 had 16 leaves in the same experiment in the 1st crop of 2006. When the panicle development had initiated to 2 mm of these tested varieties, which needed 72 days and 79 days development period, respectively; if we use the leaf age index to show the developmental stage, it indicated that Taitung 30 was 80~87, Taikeng 9 was 81~88. In this experiment, Taitung 30 needed 87 days to reach initiated heading stage ; and Taikeng 9 needed 88 days. Both of them needed more 3.3 and 3.7 days to reach 50% of heading stage. Otherwise, owing to the different temperature and environment in the 2nd crop of 2006, both of them had 13 leaves in the main stem; When the panicle development had initiated to 2 mm of these varieties, which needed 54 days and 55 days development period, and the leaf-age index was 77~85 respectively. It showed that Taitung 30 needed 67 days to reach initiated heading stage, it needed more 4 days to reach 50% of heading stage; but Taikeng 9 needed 63 days to reach initiated heading stage, it needed more 5 days to reach 50% of heading stage.

**Key words:** Rice, Leaf age, Growing Degree Days(GDD).

---

<sup>1</sup>Associate Researcher of Taitung DARES, COA.