

## **Development of the New Rice Variety Hualien 20<sup>1</sup>**

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### **Summary**

A new rice variety Hualien 20 was developed and released in 2004 by Hualien DARES. This variety was derived by a pedigree selection from a cross between Taikenyu 35031 and Kinuhikari made at the 1st crop in 1997. Hualien 20 is a late-maturing rice cultivar with good grain appearance, excellent eating quality comparable to that of the recommended variety TK 9. The average yields is 7,075 kg/ha for the first crop and 5,568 kg/ha for the second crop in the regional test . This variety with yield consistency, wide adaptability, the resistance to the leaf and grain blast diseases, strong culms and anti-lodging characteristics is suitable for either single crop or double cropping in Taiwan. Its tolerance of on-panicle sprouting in the first crop should benefit the yield stability quality over the continuous raining period during maturation. Nevertheless, appropriate management process should be applied to cope with its susceptibility to low temperature in the second crop.

( Key word : Rice , *Oryza sativa* L. , Breeding , New variety )

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