

## Development of a New Taro Variety, Kaohsiung 1

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### ABSTRACT

In order to improve the resistance of the popular variety "Betelnut" to soft rot disease, Kaohsiung 1 was selected from the local cultivars population and registered to release to farmers by Kaohsiung District Agricultural Improvement Station in May 1989.

Plants of Kaohsiung 1 are quite vigorous with stronger root systems, larger main corms with performance yield to resistant soft rot and characters of good eating quality. Average main corms yield at two years of regional trials are 20.2 and 24.6 tons/ha for spring and fall crops, respectively, which is 10.4% and 12.6% higher than "Betelnut". The degree of soft rot resistance ranged from "Resistant" to "Medium resistant" through a series of screening in yield trials. The higher resistance to soft rot of this variety for planting at fall crop had also be observed and it was suitable for paddy field cultivation.

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