

RESEARCH RESULTS ON SELECTING AND BREEDING OF HYBRID DENDROBIUM BCH424-1

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Summary

BCH 424-1 was selected from combinatorial hybrid *Dendrobium* Burana Jade x *Dendrobium* Mini Pink. Both of the parent varieties were originating from Thailand and selected in the orchid collection including 145 *Dendrobium* varieties from Ho Chi Minh city Biotechnology Center. The BCH424-1 has advantage of hard plant, high yield, long spike and high longevity of spike. Besides that, the BCH 424-1 has heterosis higher than parents and control variety about main several characteristics such as: number of spikes per plant per year (SH %=12.5; MH %=35.4), spike length (SH %=96.3; MH %=64.8), number of florets per spike (SH %=287.9; MH %=80.9). The BCH 424-1 is suitable for cultivation in potted and cutting flowers, it respond the favourite of consumers.

Keywords: *Dendrobium, variety, hybrid, heterosis, characteristics.*