

Breeding of Cold Resistant Mulberry Cultivar "Hansungppong" (*Morus alba* L.)

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New mulberry variety, Hansungppong, was bred among selected lines from F1 seedlings obtained by crossing the female, Yongcheonppong, and the male, Kugsang 21. Local adaptability test has been carried out at two places (Suwon and Chunchun) for four years since 1995. Leaf quality was tested by silkworm rearing for two silkworm rearing seasons (spring and autumn) at Suwon in 1998. From these tests, Hansungppong was found to be superior in productivity and cold resistance to control variety, Yongcheonppong, which was known to have strong cold resistance. Therefore, Hansungppong was registered as recommended commercial mulberry variety in 1998. The new cultivar, Hansungppong, has following agronomic characteristics as compared with Yongcheonppong, which was strongest leading cultivar against cold injury in Korea. It is belonging to *Morus alba* L. with the ovate leaf shape, sprouting in spring nearly the same to the Yongcheonppong (*Morus alba* L.), high leaf yielding of 10% compared to Yongcheonppong (*Morus alba* L.) and the high degree of cold resistance. It is adaptable to everywhere in Korea. Hansungppong is recommended to rear silkworms not only in spring but also in autumn besides for young silkworms.