

Informe de nuevas variedades CATYCLIA «Free the Five». PRIMER CULTIVAR DE ORQUÍDEA EPIFITA OBTENIDO EN CUBA

Report of new varieties

Catyclia «Free the Five». The first epiphytic orchid from Cuba

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ABSTRACT. According to Sander's List of Orchid Hybrids, managed by the Royal Horticultural Society responsible for the registration of hybrid orchid, there exist more than 10 000 hybrids of orchids registered in the world. In Cuba we have approximately more than three hundred twenty native species and wild orchids and only one *Spathoglottis* «Bella Lorena» hybrid. This article presents the main characteristics of a new hybrid of epiphytic orchids; obtained at the National Institute of Agricultural Science (INCA), Mayabeque province. *Catyclia* «Free the Five» is the result of a manual pollination between *Cattleya leuddemaniana* and *Encyclia phoenicia*, the hybrid seeds were germinated *in vitro* and flowering occurs on June 2010, after seven years of planting. Currently it was published in *Orchids Review Supplement* 119 (1293): March 2011.

Key words: ornamental plants, manual pollination, hybrids

RESUMEN. Según la Lista de Sander's, dirigida por la Sociedad Hortícola Real, responsable del registro de orquídeas híbridas, existen más de 10 000 híbridos registrados en el mundo. En Cuba se cuenta con más de trescientas veinte especies nativas y autóctonas y un solo híbrido de orquídea *Spathoglottis* «Bella Lorena». En este trabajo se presentan las características principales de un nuevo cultivar de orquídea epifita, obtenido por el Instituto Nacional de Ciencias Agrícolas (INCA), provincia Mayabeque. *Catyclia* «Free the Five», es el resultado de la polinización manual cruzada realizada en mayo de 2003, entre *Cattleya leuddemanniana* y *Encyclia phoenicea*, las semillas híbridas fueron germinadas mediante el cultivo *in vitro* y las primeras plantas comenzaron a florecer en julio del 2010 después de siete años de cultivo. Actualmente se encuentra publicado en *Orchids Review Supplement* 119 (1293): marzo 2011.

Palabras clave: plantas ornamentales, polinización manual, híbridos

INTRODUCTION

Nowadays, the use of hybrids of orchids in the world has a great importance, not only because of their beauty and adaptability, but also due to the good prices achieved on the market; their use has helped to the surviving of wild species of orchids.

This article presents the main characteristics of a new hybrid of epiphytic orchid. This was obtained by a group of researchers of the Biotechnology Laboratory, Genetic Department of the National Institute of Agricultural Science in Mayabeque; *Catyclia* «Free the Five» was obtained by cross pollination on May 2003, between *Cattleya leuddemaniana* and *Encyclia phoenicia*, the hybrid seeds were germinated *in vitro* and date of first flowering was June 2010, after 7 years of growing.

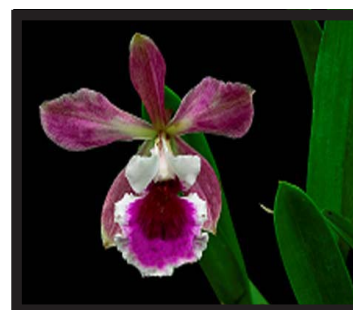
DESCRIPTION OF THE GENOTYPE CATYCLIA «FREE THE FIVE»

Epiphytic plant with terminal inflorescence. Floral bracts small and triangular. Flowers 5.5- 6 cm across. Sepals

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purplish green, dorsal oblong-ovate, acute, 2.8- 3.0 cm long, 0.8-1.0 cm wide and laterals oblong-ovate, concave 2.8- 3.0 cm long, 1.0- 1.2 cm wide. Petals purplish green, similar, spatulate, 3- 3.2 cm long, 1.5- 1.7 cm wide. Labellum free, 3- lobbed, the lateral lobes white, oblong and reflexes, embracing the column, 3.7 cm long, 1.5 cm wide, median lobe rounded with undulate margins of white color and bright purple- rose suffusion apically and purple tonality intense toward the throat. Column white with fine purple lines, robust, 1.6 cm long.



Catyclia «Free the Five» frontal view

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