

「臺茶 25 號」茶樹之選育

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摘 要

茶樹新品種「臺茶 25 號」是行政院農業委員會茶業改良場於 81 年由緬甸 Burma 大葉種天然雜交後裔，經單株選拔、品系比較及性狀檢定等試驗後，於 110 年 4 月 26 日通過命名，並於 111 年 6 月 6 日取得品種權。根據親緣分析結果，其在主成分向量分析圖偏向大葉種與小葉種雜交群。另根據遺傳距離與對偶基因親本預測分析結果，臺茶 25 號與臺茶 13 號的遺傳距離最近，因臺茶 25 號在 12 組分子標誌中出現的對偶基因與臺茶 13 號一致，推測父本為臺茶 13 號。臺茶 25 號樹型為半喬木型、樹型中間型、樹勢強，幼嫩芽葉四季呈現紫紅色，為臺茶系列第一個紫色芽品種，其花青素含量為對照品種臺茶 18 號的 50 倍。具花香適製紅茶及綠茶，綠茶水色淡紫，滴入酸性的飲料，茶湯立即呈現繽紛迷人的粉紅色，為此品種之一大特色，可應用於手搖飲或開發成天然粉色調飲，深具發展潛力；茶樹下層綠葉上層紫紅芽葉，綠籬栽培可增加顏色之層次感，運用於園藝及地景營造，為兼具觀賞及飲用價值之新品種。

關鍵字：臺茶 25 號、花青素、紅茶、綠茶

The Breeding of New Cultivar TTES No. 25

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Summary

The new cultivar of tea tree "TTES No. 25" is a hybrid descendant of Burma, a large-leaf species in 1992 by the Tea Research and Extension Station, the Council of Agriculture of the Executive Yuan. After single plant selection, strain comparison and characteristic verification test, the nomenclature was passed on April 26, 2021, and obtains breed rights on June 6, 2022. According to the results of kinship analysis, it is biased towards the hybrid population of large-leaf species and small-leaf species in the principal component vector analysis diagram. In addition, according to the results of the genetic distance and the parental prediction analysis of the paired genes, the genetic distance between TTES No. 25 and No. 13 is the closest. Because the paired genes of TTES No. 25 in the 12 groups of molecular markers are consistent with TTES No. 13, it is speculated that the male parent is TTES No. 13.

The tree type of TTES No. 25 is semi-arbor type, intermediate tree type, strong tree vigor, young buds and leaves are purple-red in four seasons, it is the first purple bud cultivar in the Taiwan Tea Experiment Station (TTES) number and member series, and its anthocyanin content is 50 times that of the control cultivar TTES No. 18. It has a floral fragrance and is suitable for making black tea and green tea. Green tea is light purple in color. When it is dripped into an acidic drink, the tea liquid immediately turns colorful and charming pink. This is one of the major features of this cultivar. It can be used for hand shake or developed into a natural pink color drink. It has great potential for development; the purple-red buds and leaves can increase the diversity of landscape colors, and can be

used in horticulture and landscape construction. It is a new cultivar with both ornamental and drinking value.

Key words: TTES No. 25, Anthocyanin, Black tea, Green tea