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New Cultivar of Black Tea-TTES No. 21

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Summary

TTES No. 21 (strain code: FKK-22) is the twenty-second seed of FKK-1(female parent is Kyang from India, male parent is Kimen from Kimen) natural hybrids' collections. Following seed germination, TTES No.21 was cultured by testing and studying for more 40 years to become suitable for making the goodness variety of strongly aromatic black tea. This cultivar was adopted by the review in October 17, 2008, and is officially named " TTES No. 21."

The goal of selecting and breeding this cultivar of black tea from the Tea Research and Extension Station is to use the breeding procedure to select new hybrid cultivars with the characteristics of Assam, the strong aroma of Kimen, and the high resistance to strong winds. Therefore, the Tea Research and Extension Station Yuchih Branch has been performing these breeding exercises since 1946. It has already selected and bred several excellent cultivars of black tea, and FKK-22 is one of them.

TTES No. 21 is a small tree which is: upright in shape, strong growth potential, long oval leaves, middle sized leaves, green color, tip is bending down, long and narrow leaf base, leaf margin is microwave-like, wavy leaf shape, leaf with a small degree of folding, serrated leaf shape that is sharp and waxy, short petiole, tea buds that sprout early, short internode, low density of tea bud, fine hair is short and dense, bears fruit easily, with good resistance to wind and drought.

The quality of TTES No. 21 with the advantages of the parental species of Assam and Kimen is excellent. The tea soup is bright gold and red. It tastes sweet and fresh, and the aroma from the rich flower and fruit is excellent. The aroma is similar to the bloom of citrus flowering plants. Foreign and native reviewers of the tea industry have highly praised this new species of black tea with its excellent fragrance being heavily promoted.

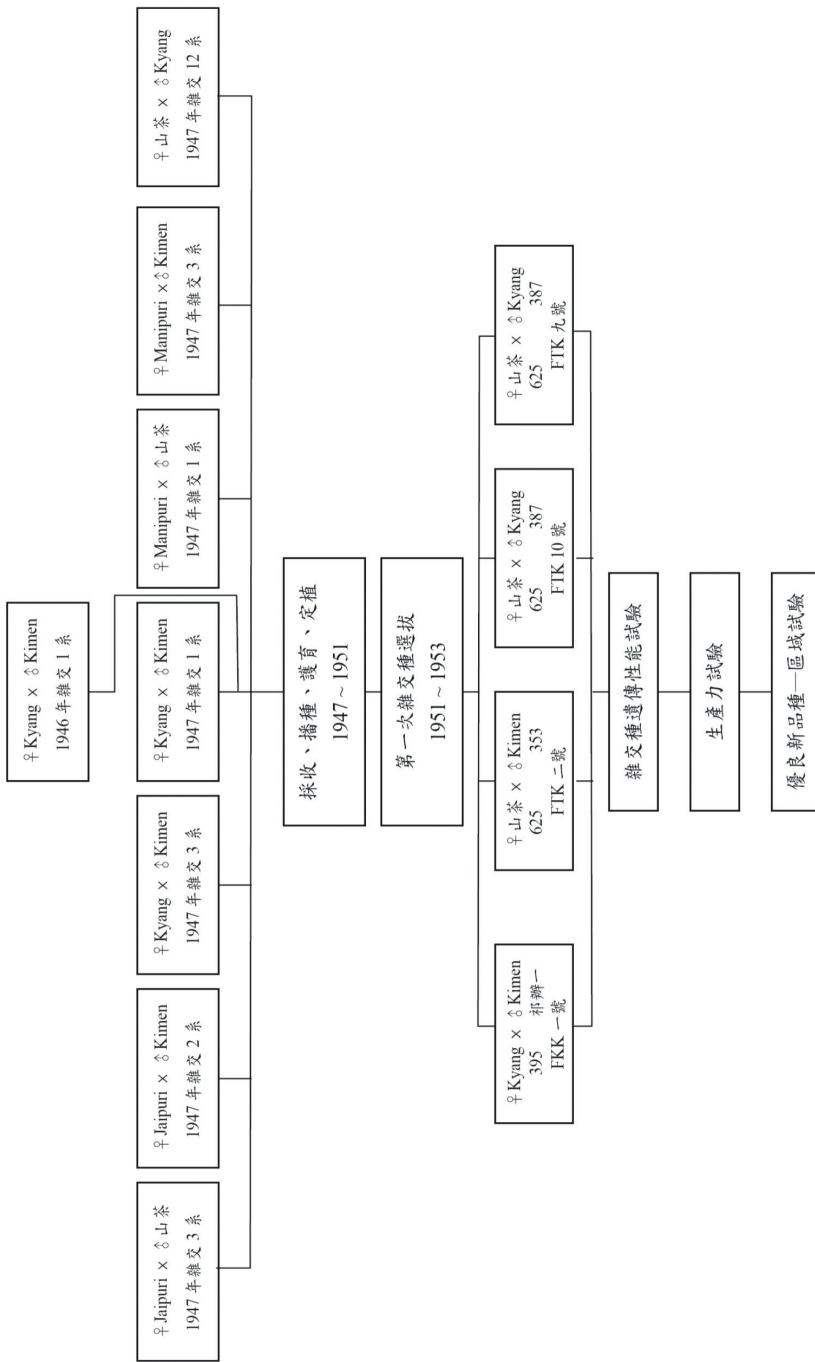
Key words: Tea, Hybrid breeding, Black tea, TTES No. 21

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圖一、FKK 一號雜育成

Fig. 1. Crossbreeding of FKK No. 1.

表十五、FKK-22 育成過程之參與人員、工作項目及相關說明

Table 15. Participants, working projects, and related explanation of the crossbreeding process of FKK-22

年 別	參與人員	工 作 項 目	說 明	備 註
1946	李振昌 楊守國	1. 人工雜交。 2. 成苗移植。	♀Kyang (395) × ♂Kimen (祁辦一號) 雜交後，共 26 朵授粉，4 顆結實，僅 1 顆發育成株，經細心照料，作為雜交材料。	
1947~1952	李振昌 楊守國	1. 人工雜交。 2. 扦插繁殖。 3. 成苗移植。	進行人工雜交，共 7 種組合，合計 26 系，並進行植株護育與定植。	
1953~1958	李振昌 邱宣鐘 楊守國	1. 生育調查。 2. 製茶試驗。 3. 品種命名。	進行雜交選拔、生育調查、製茶試驗並選拔出 4 品系，其中將 FKK 一號進行命名。	
1959~1967	邱宣鐘 李振昌 楊守國	1. 扦插繁殖。 2. 生育調查。 3. 製茶試驗。	持續將選拔出 4 品系進行茶樹生育、製茶之比較，並進行人工雜交、自交及天然雜交之雜交選拔。	
1967~1989	史 翡 陳永盛 楊守國 陳月裡 王兩全 廖增祿 何信鳳	1. 紅茶雜交選拔。 2. 扦插繁殖。 3. 生育調查。 4. 製茶試驗。	1. 自 FKK 一號品系中，天然雜交後裔 30 株中，篩選編號第 22 號個體 (FKK-22)，其品質最優，尤以香氣較歷年選育之品系為優，故選拔出作為育種材料及區域試驗品種。 2. 為臺茶 18 號 (B-40-58) 之同期區域試驗品種。	

