

部分發酵茶品種改良

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摘 要

本年度 85 年 (1996) 人工雜交二組合，分別為♀青心大冇×♂台茶 17 號，雜交 2200 花，♀青心烏龍×♂武夷 2000 花，計人工雜交 4200 花。

今年採收去年度雜交種子，分別為♀台茶 12 號×♂青心烏龍 734 粒，♀青心烏龍×♂台茶 12 號 936 粒計 1670 粒。

優良植株選拔收集到四季春、青心烏龍系三種、大葉烏龍系一種、大陸福雲 6、7 號及毛蟹三種、日本大井早生一種，其中採收四季茶菁製造包種茶，鑑定其品質，略遜於台茶 12 號、青心烏龍。

76年 (1987) 及 77 年 (1988) 雜交個體以芽葉、樹型、芽密度及茸毛性狀為考量重點，選出 30 個體開始正式採摘及品質鑑定。其中香氣優於對照者計 10 株。

79年 (1990) 度茶樹天然雜交新個體選拔，包種茶品質較優者計 21 個體。

74年 (1985) 雜交個體選拔經採茶製造包種茶，品質優良 36 品系 (種) 進入比較試驗。

80年 (1991) 選育茶樹天然雜交新品系比較試驗，其製造包種茶之香味有四品系較對照為佳。

77年 (1988) 度部分發酵茶新品系區域試驗中，51-14 之代號，茶菁收量及香味高於青心大冇，但與台茶 12 號差異不大，春茶茶葉中總多元酚類含量低於對照品種，而總游離氨基酸含量則較對照為高。

Study on Varietal Improvement of Partially Fermented Tea

Taiwan Tea Experiment Station

Summary

4,200 hybridized flowers of two hybrid combinations by artificial hybridization method were conducted in 1996, including 2200 flowers of ♀ Chinshin Dapang × ♂ TTES No.17 and 2000 flowers of ♀ Chinshin Oolong × ♂ Wuyi.

1670 hybridized seeds were harvested in 1997, including 734 seeds of ♀ TTES No.12 × ♂ Chinshin Oolong and 936 seeds of ♀ Chinshin Oolong × ♂ TTES No.12.

Collection for superior tea plant selected, covered Shy Jih Chuen 、 three Chinshin Oolong lines 、 one Dah Yeh Oolong lines 、 three types of Fuyun No.6 ,No.7, Maoxie from Mainland China, and One type of 大井早生 from Japan. The Paochung tea quality made from the seasonal fresh leaves of collected plants were slight worse than that of TTES No.12 、 Chinshin Oolong.

The selection characters of individual hybridization plant in 1987 and 1988, including shoot leaf 、 shape of plant 、 density of buds and pubescence characters of terminal bud ,thirty individual plants selected have started to pluck and to evaluate its Paochung tea quality , of which ten plants got superior aroma of paochung tea over the control variety.

New individual plant selection from natural hybridization in 1980 resulted in thirty-six superior lines.

Comparative tests of new lines from natural hybridization of tea in 1991 , obtained four lines which had better Paochung tea aroma.

Regional tests of new lines for partially fermented tea started from 1988, Showed that code number 51-14 got higher leaves harvest and better aroma than Chinshin Dapang, but no difference with TTES No.12. Spring tea of 51-14 had lower polyphenol and higher total free amino acids contents than control variety.