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Root distribution patterns of 'Fuyu' persimmon (*Diospyros kaki* L.) in improvement of root environment and root stock

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This study was conducted to improve rooting and to reduce transplanting shock of 'Puyu' persimmon (*Diospyros kaki* L.). Rooting depth in soil layers was top 30 cm and the more additional roots were formed in 'Puyu' persimmon as a root stock. Root length and diameter was increased planted in Ballsangto. Root distribution pattern by depth was affected by soil type and it was located in the 0 to 30 cm for Ballsangto. the higher root number was induced in Ballsangto, followed by sandy loam, peat moss and vermiculite. Root control container reduced transplanting shock and increased lateral root number and well distributed throughout in the 0 to 30 cm.

Key words : *Diospyros kaki* L., root distribution, root stock, bed soils