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Effects of Root Pruning and Uniconazole Treatment Induction in Peach Seedlings of the Current Year

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Root pruning, uniconazole treatments, and early sowing were perfor of the current year in order to hasten flower bud induction. Early sov increased the growing period and node number, and resulted in indu In ‘Yaguchi’, root pruning in early to middle July increased the num buds and the numbers of the flower buds, although its effects varied ‘Hokimomo’, root pruning in early July slightly increased the numbe

buds. In ‘Yaguchi’, treatments with uniconazole significantly increas
buds and numbers of flower buds. Moreover, uniconazole significar
node with flower buds, mean node number with flower buds and ma
Although root pruning induced flower buds only on nodes formed a
uniconazole induced flower buds on nodes that had been formed be
pruning induced flower buds that ranged from the node at treatmen
while uniconazole formed flower buds from the lower 16th node to
Combined treatment with root pruning and uniconazole tended to in
flower buds, which were distributed in intermediate parts of the two
findings suggest that it is possible to promote phase transition of noc
phase to the transition or reproductive phase by early sowing and to
growth and accelerate flower bud differentiation by root pruning and
in nodes at the transition phase on seedlings of the current year. Sin
treatments induced flower buds at about the 70th node, ‘Yaguchi’ s
year could attain the transition phase around the 70th node at 6–7 n

Key Words: juvenile phase, phase transition, reproductive phase, transition phase

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