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151. © Evaluation of fall versus spring dormant planting of hardwood willow cuttings with and without soaking treatment. Tilley, D. J. and Hoag, J. C. Native Plants Journal 10(3):288-294. 2009.

Evaluation of fall versus spring

DORMANT PLANTING OF HARDWOOD WILLOW CUTTINGS

with and without soaking treatment

| Derek J Tilley and J Chris Hoag

ABSTRACT

Coyote willow (*Salix exigua* Nutt. [Salicaceae]) cuttings harvested in a dormant state during the fall and soaked in cold water for 14 d prior to planting had significantly greater root production after 70 d than did spring-harvested cuttings soaked for 14 d or non-soaked cuttings harvested in fall or spring. Similarly, dormant peachleaf willow (*S. amygdaloides* Andersson [Salicaceae]) harvested and planted in the fall after soaking for 14 d had significantly greater root production after 42 d than did cuttings harvested in the spring and not soaked prior to planting. Survival rates were similar for all treatments. Soaking and planting dormant hardwood cuttings in the fall may cause cuttings to be in a better pre-rooting condition, which can translate to better root vigor the following spring.

Tilley DJ, Hoag JC. 2009. Evaluation of fall versus spring dormant planting of hardwood willow cuttings with and without soaking treatment. Native Plants Journal 10(3):288–294.

KEY WORDS
bioengineering, *Salix*, root vigor

NOMENCLATURE
USDA NRCS (2009)

All photos by Derek J Tilley