



APPLICATIONS UNDER EXAMINATION

CEDAR

CEDAR
(Thuja occidentalis)

Proposed denomination: 'Art Boe'
Trade name: North Pole
Application number: 09-6714
Application date: 2009/08/12
Applicant: Spring Meadow Nursery, Inc., Grand Haven, Michigan, United States of America
Agent in Canada: BioFlora Inc., St. Thomas, Ontario
Breeder: Arthur A. Boe, Boe, Arthur, Faribault, Minnesota, United States of America

Variety used for comparison: 'Smaragd' (Emerald Cedar)

Summary: *The plant shape for 'Art Boe' is narrow columnar while it is narrow pyramidal for 'Smaragd'. The plant height of 'Art Boe' is taller than 'Smaragd'. The 4th order branchlets of 'Art Boe' are medium in density while they are absent to sparse for 'Smaragd'.*

Description:

PLANT: evergreen, narrow columnar shape, dense foliage, medium green

BRANCH: dense, erect attitude, medium stiffness, dark brown bark, reddish brown new wood

SPRAY: medium density of 2nd order branchlets, light to medium green stem

BRANCHLETS: medium density of 3rd order branchlets, light to medium green stem, medium density of 4th order branchlets

LEAF: arranged in opposite pairs around the axis of the branchlet, scale like, appressed, acute apex, entire margin, flat, glandular protrusion at centre, mainly brown green (RHS 137B-C) on upper and lower side, dark green (RHS 144A) on the new upper most scales

Origin and Breeding: 'Art Boe' originated from an open pollinated cross made by Arthur A. Boe between the female parent 'Hetz Wintergreen' and pollen from an unknown male parent in 1998 in Faribault, Michigan, USA. The new variety was selected in 2001 in Faribault, Michigan based on winter hardiness, plant habit, growth rate and no leaf bronzing in the winter.

Tests and Trials: Trials for 'Art Boe' were conducted in an outdoor irrigated container trial during the summer of 2009 in St. Thomas, Ontario. The trial included a total of 8 plants of the candidate variety and the reference variety. All plants were grown from 3.8 litre plants transplanted to 11.4 litre containers in the spring of 2009. Observations and measurements were taken on September 25, 2009. All colour determinations were made using the 2007 Royal Horticultural Society (RHS) Colour Chart.

Comparison table for 'Art Boe'

	'Art Boe'	'Smaragd'*
<i>Plant height (cm)</i>		
mean	60.2	46.0
std. deviation	4.97	1.58

*reference variety



Cedar: 'Art Boe' (left) with reference variety 'Smaragd' (right)



Cedar: 'Art Boe' (left) with reference variety 'Smaragd' (right)