

F2226 (July 2024)

Joseph Zeleznik, Ph.D., Extension Forester

# North Dakota Tree Selector

## General

**Scientific Name:** *Abies concolor*

**Family:** Pinaceae (Pine)

**Hardiness:** Zone 4

**Leaves:** Evergreen

**Plant Type:** Tree

## Growth

**Rate:** Medium

**Mature Height:** 25'-45'

**Longevity:** Medium

**Power Line:** No

## Ornamental

**Flowers:** Inconspicuous

**Fruit:** Brown cones that shatter upon maturity

**Fall Color:** n/a

## White (Concolor) Fir

### Description

A large, pyramidal tree native to the southwestern U.S. with formal appearance in the landscape somewhat akin to Colorado blue spruce. The largest known trees in North Dakota are about 25 feet tall and 13 feet wide. Only northern seed sources are recommended for trial in North Dakota.

### Preferences

**Light:** Full sun.

**Water:** Prefers moist, well drained soils.

**Soil:** Adaptable to many soil types. Does poorly on heavy clay.

### Comments

This tree species is included here primarily because an unknown seed source has performed very well at the Bowman-Haley Reservoir southeast of Bowman, North Dakota. A few other sources have been planted in North Dakota, but suffered from winterburn or a lack of hardiness. An extensive research study should be conducted to select hardy seed sources for the Northern Plains.



Credits: North Dakota Tree Selector Website, Manual of Woody Landscape Plants 6th edition.