Resources

- Nebraska Forest Service
- Nebraska Statewide Arboretum
- Plantnebraska.org
- Click on "Native Plants"

Recommended Trees for Nebraska

- Abiotic Problems of Trees
- Diseases of Broadleaf Trees
- Diseases of Evergreen Trees
- Insect Pests of Broadleaf Trees
- Insect Pests of Evergreen Trees

Abiotic Problems

- Planting depth
- Stem girdling roots
- Improper watering – too much or too little
- Mower damage
- Mulch piled against the trunk
- Sunscald

Production & Planting Issues

- Improper watering – too much or too little
- Mower damage
- Mulch piled against the trunk
- Sunscald

Management Issues

- Improper watering – too much or too little
- Mower damage
- Mulch piled against the trunk
- Sunscald
Planting Issues
- Poor planting depth. Sarah Browning, Nebraska Extension
- Stem girdling roots. Sarah Browning, Nebraska Extension

Water Issues
- Leaf scorch. Sarah Browning, Nebraska Extension
- Sunscald on maple trunk. Sarah Browning, Nebraska Extension

Mower & Mulch Issues
- Mower damage. Sarah Browning, Nebraska Extension
- Improper mulching. John Fech, Nebraska Extension

Sunscald Issues
- Sunscald. Joseph Obrien, USDA Forest Service, Bugwood.org
Long Term Effects of Problems
Shade Tree vs. Evergreen

Leaf Problems

Diseases
- Anthracnose
- Rinds, i.e. cedar-apple rust, cedar-hawthorn rust
- Rhizosphaera needle cast

Insects
- Bagworm
- Japanese beetle
- Spider mites

Abiotic
- Scorch

Shade Trees - Leaf Problems

Evergreen - Leaf Problems

- Bagworm damage, Sarah Browning, Nebraska Extension
- Spider mite damage to interior needles, Ward Strong, BC Ministry of Forests, Bugwood.org
- Japanese beetle defoliation on Linden, Steven Katovich, Bugwood.org
Twig & Branch Problems

- Fireblight
- Sirococcus tip blight

Trunk Damage

- Borers
- Scale

 Entire Tree Affected

- Pine wilt
- Dutch elm disease

Twig & Branch Problems

Emerald ash borer. Above Nebraska Dept. of Ag EAB collage, below left John Fech, Nebraska Extension, below right Nebraska Forest Service EAB Map for 8/3/2020. Oystershell scale. Sarah Browning, Nebraska Extension

Trunk Damage

Scotch pine on 8/20/2003. Anne Streich, University of Nebraska

Entire Tree Affected – Pine Wilt

Schnell pines on 8/20/2003. Anne Streich, University of Nebraska
Landscape Pest Control Products

**Insecticides:**
- Carbaryl (Sevin)
- Permethrin (Eight)
- Spinosad (Monterey Garden Insect Spray, Captain Jack's Dead Bug Brew)
- Bacillus thuringiensis (Monterey BT, Bonide BT)

**Fungicides:**
- Liquid copper (Bonide Liquid Copper)
- Chlorothalonil (Bonide Fung-on, Fertilome Broad Spectrum Landscape & Garden Fungicide)
- Mancozeb (Bonide Mancozeb)
- Neem oil (Bonide Neem Oil, Garden Safe Fungicide-3, Garden Safe Neem Oil Extract)