

Landscape Plant Identification

Needled Evergreens (17)

Evergreens in General:

- Waxy outer coating (epidermis) to retain moisture in cold weather.
- Do NOT lose needles in fall.
- Conifers = cone bearing, not all evergreens are conifers
- Evergreens produce softwoods for construction purposes

Concolor fir – *Abies concolor*

- Needles: single, long, flat soft
- Habit: pyramidal tree



Weeping Nootka False Cypress- *Chamaecyparis nootkatensis* 'Pendula'



- Needle: needle -like leaves , closely appressed, spreading sprays, pointed apex, grayish green needle color
- Habit: medium-sized, pyramidal form, 30' to 45' tall, pendulous sprays of needles
- Bark: squared stems, shredding bark, reddish brown color
- Fruit- globe like, brown cones, 0.33" to 0.5" in diameter

Dwarf Hinoki False Cypress- *Chamaecyparis obtusa* 'Nana'



- Needle- appressed scales of two varying sizes, the larger scale pair are boat-like with the smaller pair similar to a triangle, white X-like lines on underside
- Habit- narrow conical shape, spreading branches are pendulous, 50' to 75' in the landscape; 120' tall in the wild
- Fruit- small cones, with only 8 scales, found on short stalks, orange brown in color

Gold Thread False Cypress- *Chamaesyparis pisifera* 'Filifera Aurea Nana'



- Needles- appressed scales, long pointed with slightly spreading scale tip, flattened along stem arranged in horizontal pattern, scales are 2-ranked and have white lines on underside, dark green to yellowish color.
- Habit- drooping, umbrella like habit.

Shrub Juniper - *Juniperus chinensis*



- CVS.** ● Needle-adult- mature branches covered with 4 ranks of leaves in opposite pairs closely pressed, very short and blunt, needle is convex, juvenile needles are awl shaped, 0.33" long, arranged in whorls of 3 or opposite pairs, pointed,
- Habit- tree, shrub or groundcover, dependent on cultivar, species an erect, narrow, conical tree, 50' to 60' tall, varying in width
- Fruit-berry-like cones, 0.33" to 0.5" in diameter, pale blue when immature turning to a dark brown



Spreading Juniper- *Juniperus horizontalis* cvs.



● Needle- scales are closely pressed to stem and found in a four rank pattern, awls are found in opposite pairs, needle tip sharply pointed, green to blue-green

● Habit- branches very long and flexible, branches form large mats, 1' to 2' tall and 4' to 8' wide

● Fruit- 2 to 3-seeded berry-like cone





Upright Juniper- *Juniperus scopulorum* cvs.



- Needle- leaves are scale-like, closely pressed to stem, opposite leaf arrangement, smooth margins, color varies from a deep green to blue-green

- Habit- narrow, conical shape, opening when mature, 30' to 40' tall and 3' to 12' wide

- Fruit- rounded, 2-seeded berry-like cones, 0.25" to 0.33" in diameter, deep blue color



Norway Spruce – *Picea abies*



- Needle: single, round cross section, all green, 1-2"
- Fruit: 3-4" long, scaly cone
- Habit: normally a pyramidal tree



Dwarf Alberta Spruce - *Picea glauca conica*



- Needle- needles are crowded on upper-side of branch, needles are stiff and pointed, approximately 0.5" to 0.75' long, needles are quadrangular in cross section
- Habit- narrow conical form, branches held horizontally
- Fruit- cones found towards the ends of branches, cone scales are thin rounded and have smooth margins, light green color turning to a light brown at maturity

Serbian Spruce- *Picea omorika*



- Needle- dark green in color, needles are 0.5" to 1" long, needles tend to point forward and overlap, needles are pointed on young trees, mature trees tend to have a rounded needle

- Habit-narrow, conical shape, 50' to 60' tall and 20' to 25' wide, can reach over a 100'

- Fruit-cones found at the ends of branches, mature cones are short; 1.25" to 1.75" long by 0.5" to .75" wide, purple color turning to a reddish brown at maturity, cone scales have small dentate margins

Colorado (Blue) Spruce – *Picea pungens*



- Needle: round crss section, blue frosted
- Fruit: 1" dia, 5" long scaly
- Habit: traditionally perfect pyramid, now some globes



Mugho Pine – *Pinus mugo*



- Needles: bundles of 2, 1-3" long, lg terminal buds
- Fruit: dk grey buds in pkts of 2-4, 1-2" long
- Habit: med-lg shrub



Austrian Pine – *Pinus nigra*



- Needle: bundles of 2, longest needles – 6"
- Fruit: 2" wide, 2-3" long, shiny brown cones
- Habit: open airred tree



Eastern White Pine – *Pinus strobus*



- Needle: bundle of 5, soft needles
- Fruit: 4-6" long open cones
- Habit: pyramidal or oval tree, border, windbreaks



Yew – *Taxus x media*



- Needle: flat, 1-2" long needles
- Fruit: sometimes red berries
- Habit: hedges, shrub, round, shapes, etc.



Eastern Arborvitae – *Thuja occidentalis*



- Needles: flat, scale like
- Fruit: small ½" long, soft cones
- Habit: columnar, round, pyramidal shrub, various



Canadian Hemlock – *Tsuga canadensis*



- Needle: shortest single needled evergreen, ½"-1" long
- Fruit: ½" long cute cones
- Habit: small, pyramidal tree



Needled Evergreens

● Any questions????