

# KLICKITAT CONSERVATION QUARTERLY

WINTER 2010

Central & Eastern Klickitat Conservation Districts

## IN THIS ISSUE:

- *2010 Plant Sale Catalog*
- *Weeds, Water, and Seedlings*
- *2010 Plant Sale Order Form*



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## 2010 PLANT SALE

The following pages list the plants available for our 2010 Plant Sale. Veterans of our plant sale will notice a few changes, aimed at increasing the efficiency of our sale and assisting you in choosing the right plants.

First, there is an increased emphasis on “native” plants, meaning that the species was present before the arrival of European settlers.

Second, we have included icons along with the plant descriptions to help you identify those plants that have the specific characteristics you’re looking for, such as drought tolerance or wildlife benefits.

Lastly, most of the plants are being offered in bundles (multiple plants of the same species). Bundling decreases costs to the District and reduces errors in order-filling. If you find a plant you want but feel that the bundle includes more plants than you need, perhaps you can plan to split it with a neighbor.

As in last year’s sale, we are offering many plants in “plugs” of soil, as opposed to “bare root.” Plugs provide a larger, more vigorous plant, compared to a bare root plant of the same age. Plug sizes are usually given in cubic inches of soil (i.e. 20 cu).

Bare root plants are listed by age and sometimes height. For example, a 3-year old tree might be listed as a 2-1, 12”-18” , which means it was grown 2 years, then transplanted and grown another year, and the height of the stem above the root crown is 12-18 inches. Bare root plants may also be offered as rooted cuttings (RC), a plug-transfer (Plug 0), or a seedling.







Plants listed as “conservation grade” are considered suitable for conservation uses like riparian plantings, wind breaks, etc. and are selected mainly on the merits of their possible survival, rather than for ornamental qualities.

Please note that deciduous bare root plants will arrive dormant, looking like nothing more than a dead stick. This is normal and is not cause for alarm or disappointment.




All plants are sold on a first come, first served basis. Quantities are limited and some species will sell out, so please order early. Orders under \$100 require full payment at time of order; those over \$100 require a 25% deposit, with the remainder due at pick up. All sales are final.

Pick up will be Saturday, March 27, 2010 at Klickitat Valley Grain Growers on W. Brooks Street in Goldendale, from 9 am - 1 pm.



## Legend :



-  Fall color
-  Drought tolerant
-  Fire resistant
-  Fragrant
-  Native
-  Especially good for wildlife


## BUNCH GRASS






**Indian Ricegrass** - Grows 1' - 2' high. Prefers course or sandy soil but is highly adaptable. Seed is highly nutritious for birds and other small game. Open, spangled seed head.   



## PERENNIAL FLOWERS & GROUNDCOVERS



**Alum Root, Round-Leafed** - Eastern Cascade alum root. Bottle brush-type white flowers.  


**Western White Clematis** - Native climbing vine with small white flowers and fluffy white seed heads. Tolerates moisture as well as drought. Good for erosion control on intermittent streams.  

**Douglas Iris** - Native pale pink to purple iris on 1' - 2' tall stems. 


**Kinnikinnick** - Ground-hugging evergreen for sun or part shade. Small, bell-shaped pink flowers are followed by small red berries. Tolerates poor soil and drought. Best fall color with full sun.     



**Mountain Monardella** - Fragrant foliage and pink flowers. Prefers dry, sunny sites. Edible.  


**Pearly Everlasting** - White flower clusters on woolly grey-green foliage. Rhizomes provide some erosion control. Good butterfly plant.  


**Barrett's Penstemon** - Very large sprays of bright pink flowers. Native to Columbia River Gorge. 


**Glandular Penstemon** - Beautiful lavender to light blue flowers. Found on open, rocky hillsides. 

**Prairie Smoke** - Pink flowers and fern-like foliage. Seed head resembles a puff of pink "smoke." Prefers sunny, dry sites. 



**Rose, Charles Albanel** - Clusters of mauve-red blooms followed by orange-red fall hips and orange-yellow fall foliage. Disease resistant, low growth habit. Hybrid rugosa.  




**Rose, Marie Bugnet** - Recurrent clusters of 3" ruffled white blooms. Rich, spicy fragrance. Disease resistant. Hybrid rugosa. 





**Rose, Prairie Sunrise** - Shrub rose growing to 3' high. Deep apricot-red double blooms. Recurrent & disease resistant. 



**Spreading Stonecrop** - This groundcover is a great addition to any drought-tolerant garden. Bright sprays of yellow flowers attract butterflies. Compact, deep green foliage. 







## SHRUBS






**Mountain Boxwood** - An evergreen shrub that rarely grows over 3' tall. It is densely branched with many small, dark green glossy leaves. It is not too picky about soil types and can grow in well drained, shallow, gravelly soils as well as in clay and silt-loams. It can be shaped easily and makes a great landscape plant, ground cover, or small hedge. Good forage for deer and grouse.  




**Dwarf Burning Bush** - Grows to 9'. This popular rounded deciduous shrub makes an excellent screen or hedge without pruning. It provides vivid scarlet autumn color.   

**Redstem Ceanothus** - Deciduous shrub to 9' tall. Very attractive, with red stems and white flowers.    

**Snowbrush Ceanothus** - 6'-9' tall, thicket-forming, with nitrogen-fixing roots. Glossy evergreen leaves add winter interest to the landscape.  

**Chokecherry** - This plant is a large shrub or small tree, growing to a mature height of 10' - 25'. Can take partial shade. It bears white flowers clustered in hanging spikes that later produce dark, purple fruits. These fruits are a wildlife favorite and also make good jellies and pies. The fruits provide a good source of food for many songbirds in the fall. A good choice as a windbreak or screen.      

**Golden Currant** - Yellow trumpet shaped flowers followed by bright green leaves and yellow, red, or dark berries. Very drought tolerant. For sun or part shade; reaches 6', more with water.     

**Red-Flowering Currant** - This deciduous native shrub has many desirable characteristics: attractive form, height growth of 8' -15', yellow flowers very early in spring, edible fruits, no spines, drought tolerance, works well as a natural hedge, good wildlife browse, and is excellent for soil stabilization. This plant works well and looks good in a yard or as a valuable addition to outer rows of multiple row windbreaks. Grows best with moderate summer watering. Provides good cover for upland game birds and the edible fruits are eaten by an assortment of songbirds and small animals.   

**Red Osier Dogwood** - Deciduous shrub that grows 6' - 15' tall. It thrives in colder areas and prefers moist, rich soils in either sun or shade. "Red osier" refers to the bright red twigs that set this shrub apart from many others. Unlike domestic dogwoods which have large, single flowers, it bears clusters of small, white flowers in spring. The foliage is brilliant red in fall. The small whitish berries are eaten by a variety of birds and small animals. Good for bank stabilization. 🌿🌳★🌱

**Blue Elderberry** - A tall shrub for dry to moderately moist areas, in sun or part shade. Masses of small berries are produced August to September which hang on after leaf drop in fall. The berries are excellent food for birds, and can be used to make jams, jellies and wine. ★🌱

**Beaked Hazelnut** - This suckering shrub is an important shelter and food source for game birds. Upright, branchy, and thicket forming, with small, edible nuts. Adaptable to most well-drained, non-alkaline soils. ★🌱

**Dwarf Bush Honeysuckle** - A mounding, spreading shrub, to 4' high, this honeysuckle is excellent for naturalization and bank stabilization. Highly adaptable to different soil types, but best in full sun. Yellow spring flowers appear on new growth; foliage turns reddish in the fall. 🌿★

**Common Purple Lilac** - Has a moderate growth rate and reaches 10'-15' in height. Its dense growth and adaptability to a wide range of environments make it an excellent choice for outer rows of windbreaks. Their large, fragrant blossoms add aesthetic value in spring, and make it a favorite for landscaping. Lilacs do well on alkaline or acid soils, are highly resistant to drought and cold and are very long lived. Lilac provides cover and nesting sites for many species of birds. 🌿🌳🌱

**Mountain Mahogany** - 6'-10' tall True Mountain Mahogany, not the curl-leaf. Found in dry, sunny locations at higher altitudes. Yellow flowers in summer change to long, twisted, feathery seed heads. ★🌱

**Mock Orange** - A very drought tolerant plant that grows 6'- 20' tall. It often grows on rocky hillsides and in cracks in basalt fields. In early summer delicate and fragrant white flowers appear, making it an attractive addition to any landscape. 🌿🌳🌱

**Ninebark** - Mallow Ninebark has round clusters of white flowers and peeling bark. About 7' tall at maturity, it forms dense thickets used by many different animals. Good for windbreaks. Eastern Ninebark (conservation

grade) is a little larger, with the same attributes. 🌿★🌱

**Creeping Oregon Grape** - Low growing, spreading evergreen. Grows to 12" -18". Its low growth and spreading habit makes superb ground cover and erosion control. Yellow flowers, blue berries, and bronze winter foliage. 🌿🌳★🌱

**Tall Oregon Grape** - 4'- 6', but can get taller with ample water. Evergreen holly-like plant for sun or part shade. Year-round interest with yellow flower clusters in spring and edible blue berries in summer and fall. Shiny green leaves through winter. Prefers moist, open sites but tolerates shade and drought. 🌿🌳★🌱

**Osoberry** - To 15'. Multi-stemmed shrub valued for fragrant white blooms and edible fruit. Adaptable from stream banks to dry woodland areas. 🌿🌳★🌱

**Siberian Pea Shrub (Caragana)** - To 12 - 15' with multiple branches and thick foliage. Its foliage extends to the ground making it a good snow, wind and sound barrier. The bright yellow, pea like flowers are a favorite of hummingbirds. Game birds eat the "peas" that form later. Very winter hardy. 🌿🌱

**Woods Rose** - Grows in a wide range of soil types and textures. 2' - 6' in height and spreads by rhizomes, producing dense thickets. The 2" pink flowers are followed by rose hips that provide Vitamin C and can be dried and used in teas, jellies, fruitcakes and puddings. Dense thickets are used for nesting and cover by many birds and small mammals. Rose hips sustain many small animals throughout the winter. 🌿🌳🌱

**Rubber Rabbitbrush** - To 3'. Prefers sunny, dry sites. Small, semi-evergreen with grey green leaves and yellow flowers in the fall. Drought tolerant and deer resistant, it establishes easily in disturbed sites and provides good erosion control. 🌿★

**Desert Purple Sage** - Also known as Basin Blue Sage, this is the one referred to in Zane Grey's Riders of the Purple Sage. Can quickly grow to 3' tall and 3' wide. Requires well-drained soil and plenty of sun. Silvery-grey foliage, mint scent, and blue flowers make this a highly desirable shrub for a xeric landscape. 🌿★🌱

**Four-wing Saltbush** - Small, dense, low spreading 1'-3' shrub with narrow grey leaves. Plant in sunny, dry sites. It is fire resistant, drought tolerant, deer resistant and good for controlling erosion. Do not water. 🌿🌳★

**Rainbow Pillar Serviceberry** - To 20'. Ornamental upright shrub ideal for screening, as a specimen, or where limited

# ORDER FORM

## 2010 Tree and Shrub Sale

**Name:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

PLANT	SIZE	COST	BUNDLE SIZE	# OF BUNDLES	TOTAL COST
Indian Ricegrass	4 cu plug	\$ 10.00	bundle of 10		
Alum Root, Round Leafed	b.r. seedling	\$ 5.00	bundle of 5		
Clematis, Western White	2-0 12-18'	\$ 7.00	bundle of 5		
Douglas Iris	2-0 b.r. seedling	\$ 9.00	bundle of 5		
Kinnikinnick	20 cu plug	\$ 21.00	bundle of 5		
Mountain Monardella	b.r. seedling	\$ 6.00	bundle of 5		
Pearly Everlasting	b.r. seedling	\$ 5.00	bundle of 5		
Penstemon, Barrett's	b.r. seedling	\$ 8.00	bundle of 5		
Penstemon, Glandular	b.r. seedling	\$ 8.00	bundle of 5		
Prairie Smoke	b.r. seedling	\$ 6.00	bundle of 5		
Rose - Charles Albanel	RC-1 6-12"	\$ 8.00	each		
Rose - Marie Bugnet	RC-1 6-12"	\$ 8.00	each		
Rose - Prairie Sunrise	RC-1 6-12"	\$ 8.00	each		
Stonecrop, Spreading	b.r. seedling	\$ 5.00	bundle of 5		
Boxwood, Mountain	20 cu plug	\$ 21.00	bundle of 5		
Burning Bush, Dwarf	RC-2 6-12"	\$ 7.00	each		
Ceanothus, Redstem	10 cu plug	\$ 20.00	bundle of 10		
Ceanothus, Snowbrush	10 cu plug	\$ 20.00	bundle of 10		
Chokecherry	10 cu plug	\$ 20.00	bundle of 10		
Chokecherry	cons. grade <18"	\$ 9.00	bundle of 10		
Currant, Golden	10 cu plug	\$ 20.00	bundle of 10		
Currant, Golden	1-0 12" +	\$ 9.00	bundle of 5		
Currant, Red-Flowering	20 cu plug	\$ 21.00	bundle of 5		
Dogwood, Redosier	20 cu plug	\$ 21.00	bundle of 5		
Dogwood, Redosier	cons. grade <18"	\$ 7.00	bundle of 10		
Elderberry, Blue	10 cu plug	\$ 20.00	bundle of 10		
Elderberry, Blue	cons. grade <18"	\$ 10.00	bundle of 10		
Hazelnut, Beaked	2-0 6-12"	\$ 10.00	bundle of 5		
Honeysuckle, Dwarf Bush	RC-1 12-18"	\$ 8.00	each		
Lilac, Common Purple	cons. grade <18"	\$ 7.00	bundle of 10		
Lilac, Common Purple	20 cu plug	\$ 21.00	bundle of 5		
Mahogany, Mountain	10 cu plug	\$ 20.00	bundle of 10		
Mock Orange	10 cu plug	\$ 20.00	bundle of 10		
Ninebark, Eastern	cons. grade <18"	\$ 8.00	bundle of 10		
Ninebark, Mallow	10 cu plug	\$ 20.00	bundle of 10		
Oregon Grape, Creeping	10 cu plug	\$ 20.00	bundle of 10		
Oregon Grape, Tall	10 cu plug	\$ 20.00	bundle of 10		
Osoberry	2-0 12-18"	\$ 20.00	bundle of 5		
Pea Shrub, Siberian	1-1 6-12"	\$ 10.00	bundle of 5		
Rose, Woods	10 cu plug	\$ 20.00	bundle of 10		
Rose, Woods	20 cu plug	\$ 21.00	bundle of 5		
Rose, Woods	p-1 12" +	\$ 9.00	bundle of 5		
Rubber Rabbitbrush	10 cu plug	\$ 20.00	bundle of 10		
Sage, Desert Purple	20 cu plug	\$ 21.00	bundle of 5		
Saltbush, Four-Wing	10 cu plug	\$ 20.00	bundle of 10		
Serviceberry, Rainbow Pillar	RC-1 12-18"	\$ 11.00	each		

Serviceberry, Saskatoon	10 cu plug		\$ 20.00	bundle of 10		
Serviceberry, Saskatoon	cons. grade	<18"	\$ 11.00	bundle of 10		
Willow, Bebb's	1-0	6-12"	\$ 5.00	bundle of 5		
Witch Hazel, Vernal	2-0	6-12"	\$ 10.00	bundle of 5		
Aspen, Quaking	10 cu plug		\$ 20.00	bundle of 10		
Aspen, Quaking	20 cu plug		\$ 21.00	bundle of 5		
Birch, Western Paper	20 cu plug		\$ 21.00	bundle of 5		
Box Elder	1-0	2-3'	\$ 17.00	bundle of 5		
Cascara	20 cu plug		\$ 21.00	bundle of 5		
Cottonwood, Black	10 cu plug		\$ 20.00	bundle of 10		
Dogwood, Flowering	2-2	18-24"	\$ 7.50	each		
Hawthorn, Douglas	20 cu plug		\$ 21.00	bundle of 5		
Hawthorn, Douglas	cons. grade	<18"	\$ 7.00	bundle of 10		
Hawthorn, Washington	2-2	18"-24"	\$ 8.00	each		
Maple, Bigleaf	1-1	18-24"	\$ 3.50	each		
Maple, Bigtooth	2-2	12"-18"	\$ 10.00	each		
Maple, Silver	1-1	3'-4'	\$ 6.00	each		
Maple, Vine	2-0	8-24"	\$ 5.00	each		
Mountainash, European	cons. grade	>18"	\$ 15.00	bundle of 10		
Oak, Oregon White	2-0	12-18"	\$ 15.00	bundle of 5		
Poplar, Idaho Hybrid	20 cu plug		\$ 21.00	bundle of 5		
Sumac, Western Smooth	1-0	6-12"	\$ 10.00	bundle of 5		
Willow, Scouler's	1-0	6-12"	\$ 8.00	bundle of 5		
Cedar, Incense	20 cu plug		\$ 21.00	bundle of 5		
Fir, Douglas	20 cu plug		\$ 21.00	bundle of 5		
Fir, Douglas	5 cu plug		\$ 14.00	bundle of 20		
Fir, Douglas	1-1		\$ 7.00	bundle of 10		
	1-1		\$ 60.00	bundle of 100		
	1-1		\$100.00	bundle of 200		
Fir, Fraser	20 cu plug		\$ 21.00	bundle of 5		
Fir, Grand	4 cu plug		\$ 8.00	bundle of 10		
Fir, Noble	4 cu plug		\$ 8.00	bundle of 10		
Juniper, Rocky Mountain	4 cu plug		\$ 10.00	bundle of 10		
Larch, Western	5 cu plug		\$ 14.00	bundle of 20		
Pine, Austrian	20 cu plug		\$ 21.00	bundle of 5		
Pine, Ponderosa	20 cu plug		\$ 21.00	bundle of 5		
Pine, Ponderosa	5 cu plug		\$ 14.00	bundle of 20		
Pine, Ponderosa	1-1		\$ 7.00	bundle of 10		
	1-1		\$ 60.00	bundle of 100		
	1-1		\$100.00	bundle of 200		
Pine, Western White	5 cu plug		\$ 14.00	bundle of 20		
Sequoia, Giant	8 cu plug		\$ 10.00	bundle of 5		
Spruce, Colorado Blue	1 gallon		\$ 8.50	each		
Spruce, Colorado Blue	20 cu plug		\$ 21.00	bundle of 5		
Spruce, Colorado Blue	5 cu plug		\$ 14.00	bundle of 20		
Spruce, Engelman	Small Plug		\$ 11.00	bundle of 5		
Weed mat with 5 staples	3' x 3' mat / 6" staples		\$ 2.00	each set		
Browse net with bamboo stake	4" x 30" net/36" stake		\$ 1.00	each set		
Fertilizer packets	1 per plant		\$ 1.00	5 packets		
					7.5% tax	
					<b>TOTAL</b>	



space is available. Leaves turn brilliant orange-red to yellow in the fall. 10' spread. Disease resistant. 🌳★🌳

**Saskatoon Serviceberry** - 6'-15' tall. Adaptable to a very wide range of soils. It is cold-hardy and also somewhat drought tolerant. It has a spectacular show of white flowers in early spring. The edible berries can be eaten raw, cooked, dried, preserved, and even used for wine. High quality cover and food for wildlife. 🌳🌳★🌳

**Bebbs Willow** - To 12'. Common native willow in wet to dry sites. ★🌳

**Vernal Witch Hazel** - To 10'. Upright, spreading, suckering shrub spreads rapidly by stoloniferous roots giving excellent stream bank erosion control. Small yellow-red fragrant flowers in very early spring. Hardy and durable. 🌳🌳★

## Broad-Leaf Trees

**Quaking Aspen** - Quickly grows to a height of about 40'. Leaves are round and "quake" or flutter in even a slight breeze and turn a splendid golden color in fall. 🌳🌳★🌳

**Western Paper Birch** - To 80'. Its bark turns white and peels in long, narrow, papery, horizontal strips. It is relatively hardy and not too particular about soil types as long as the soil is moist. Songbirds like the seeds in winter. 🌳🌳★🌳

**Box Elder** - Fast growing and extremely cold and drought tolerant. Will grow on adverse sites where more desirable trees may not. It is planted for shade and shelterbelts but is short-lived and easily broken in storms. Plant it for its quick growth, but interplant with more durable trees to provide for a lasting tree canopy. Naturalizes quickly on disturbed sites. Member of maple family. 🌳★

**Cascara** - To 40'. Excellent ornamental potential. Prefers moist to mesic soils in full sun to partial shade. Birds like the black fruit and beavers rarely bother it in stream-bank plantings. 🌳★🌳

**Black Cottonwood** - Provides food and cover for a variety of wildlife species, including deer, elk, and beaver. A very fast-growing and potentially large tree, easy to establish and useful for shade and ornament. Used for windbreaks and shelterbelts of riparian areas. ★🌳

**Flowering Dogwood** - The fruit is choice fall and winter food of the gray squirrel, fox squirrel, bobwhite, cedar waxwing, cardinal, flicker, mockingbird, robin, wild turkey, and woodpecker. Striking display when in full bloom

Adapted to most upland sites but grows best on rich, well-drained soils on middle and lower slopes. 🌳★🌳

**Douglas Hawthorn** - Small tree or large shrub. Clusters of white flowers in spring, followed by large, edible berries that turn black and persist into winter, making them an excellent winter food source for birds. Also attracts beneficial insects. One inch thorns on branches. Can form dense, shrubby thickets. 🌳🌳★🌳

**Washington Hawthorn** - To 30'. Attractive tree noted for its maple-like leaves and 2-3" thorns. White spring flowers, bright red berries, and outstanding fall color. 🌳🌳🌳

**Bigleaf Maple** - Quickly grows to 100' with dinner plate-sized leaves. Nutritious leaf litter builds the soil. Flowers are quite sweet and good in salads. 🌳★🌳

**Bigtooth Maple** - To 40'. Seeds emerge rosy pink. A good ground cover tree, providing shade in canyon bottoms for livestock and recreation areas. It is a fair source of food for browsing wildlife and domestic livestock. The seeds, buds, and flowers provide food for numerous species of birds and small mammals. Sap can be used for syrup. 🌳🌳★🌳

**Silver Maple** - To 100'. One of the fastest growing native American maple species. Should reach 10 to 12' when 4 to 5 years old. Used in riparian forest buffers due to its adaptation to such sites. Silver maple is not usually damaged by deer browsing. ★🌳

**Vine Maple** - 10-20'tall. Shrubby and multi-trunked with bright reddish-green bark, topped with foliage displayed in a tiered pattern. Dramatically colored in most seasons with bright green foliage turning orange and red in autumn, purple and white flowers in spring, and red fruit in summer. 🌳★🌳

**European Mountainash** - To 45'. Orange-red fruit attracts birds and lasts until spring. Used as a rootstock for budding or grafting. Widely used for conservation plantings. 🌳🌳🌳

**Oregon White Oak (Garry Oak)** - To 80'. Washington's only native oak, providing valuable habitat that contributes to wildlife diversity. Prefers good drainage. 🌳★🌳

**Idaho Hybrid Poplar** - This tree grows rapidly and will reach heights of 90 feet. It will grow as much as 6' - 10' per year. Often used for windbreaks or shelter belts, it will establish itself quickly under favorable conditions. 🌳

**Western Smooth Sumac** - A large shrub or small tree, grows to 15'. Suitable for sunny sites, is fast growing and very colorful. Odd flowers, green to scarlet, cone-like seed

heads that persist into winter. Good for bank stabilization. 🌱🌿🌳🌲

**Scouler's Willow** - To 30'- 50'. Thrives in gravelly soils. Excellent soil binding and erosion control. 🌿🌳

## Conifers

**Incense Cedar** - To 150'. Moderately fast growing. It grows in sun or shade, and in many soil types that vary from moist to dry. Provides shelter for birds and small animals, and the seeds are eaten by songbirds. 🌿🌳🌲

**Douglas Fir** - To 200'. Long-lived. Requires more water than Ponderosa Pine, but is often found in the same areas. The thick bark makes them somewhat fire resistant. Seeds are eaten by many species of birds, and hawks and owls use it for nesting. Doug Fir growth is generally slow without supplemental watering. 🌳🌲

**Fraser Fir** - To 80'. Pyramidal shape and soft, dark green needles with silvery undersides makes this a very popular ornamental and Christmas tree. 🌲

**Grand Fir** - To 100' or more. Tall and straight with excellent symmetry if given enough room. 🌲🌳

**Noble Fir** - To 300'. Found at higher elevations. Blue-green in color, and very long-lived. Grows on a wide range of soils if adequate moisture is available. 🌲

**Rocky Mountain Juniper** - Upright shrub or small tree to 20'. Gray-green, scale-like foliage, and dark blue berries. Likes dry, rocky sites; very drought tolerant but will do well on moist, well drained sites. An important source of food, shelter, and nesting for numerous birds and mammals. 🌿🌲

**Western Larch** - To 200', it reaches its maximum height at 20 years, but can live for 850 years. Low drought tolerance. Like all larches, it loses its needles in the autumn. Provides exceptionally high quality construction materials, used for poles and wherever strong supports are needed. It also makes good firewood. 🌲🌳

**Austrian Pine** - To 60'. Fast growing, good for wind-breaks and landscapes. Very hardy, withstanding heat and drought, and clay or alkaline soils. 🌿

**Ponderosa Pine** - Inland Northwest's signature tree. Grows to 100' tall, does well in drier sites. Withstands hot, dry sites well, and adapts to a variety of soil conditions, but must have good drainage and full sunlight. Provides excellent cover and nesting sites for many birds. Several mammal and bird species eat the seeds. 🌿🌲🌳

**Western White Pine** - Tall, narrow tree to 90'. Beautiful specimen or Christmas tree. Seed collected from trees that are resistant to Blister Rust. 🌲

**Giant Sequoia** - World's largest tree, in terms of volume. Average height of 165-280' and 18-24' in diameter. One of 3 members of the "redwood" family. For higher elevations. 🌲

**Colorado Blue Spruce** - A broad, pyramidal tree, to 100' or more. Distinctive blue-green stiff and sharp needles. Grows best in moist soil. Excellent winter cover for upland game birds and small animals. 🌲

**Engelmann Spruce** - To 150'. Good ornamental spruce. Pyramidal form and light bluish needles. 🌲

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## 'SWEATING' FOR PLANTING SUCCESS

Bare root **maples, serviceberry, birch, mountain ash, hawthorn, and roses** benefit from a process called "sweating." For these species, buds become extremely dormant during long periods of refrigerated storage. These must be forced into breaking bud before they are planted, or they may remain dormant in the ground and eventually die. One easy method is to unpack your plants and soak roots in water overnight. Then re-pack in moist packing material, wrap loosely in plastic, and place them in a holding box kept in a warm (60-70 degrees), protected area. Check every few days for bud break and/or mold. Remove mold with clean water and return to packing material. Plant when buds begin to swell or after 2 or 3 weeks of sweating. Species requiring sweating should be kept refrigerated until danger of frost has passed, because once the buds break and new growth starts, they will be vulnerable to frost damage and to drying out. Please keep in mind that plants may be partially or completely sweated during shipment if temperatures are warm while stock is in transit. If your plants arrive with buds already swollen, further sweating is not required.

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## PLANTING BARE ROOT STOCK

Keep roots moist and tops shaded while waiting to plant. Plant within 2 or 3 days of receipt or after sweating. Before planting, roots should be soaked 4-6 hours for proper hydration, except for conifers, which should only be soaked for 20-30 minutes.

We're on the Web  
ckcd.org / ekcd.org

## Conservation \* Development \* Self-Government

*The function of a Conservation District is to take available technical, financial, and educational resources, whatever their source, and focus or coordinate them so that they meet the needs of the local land user for conservation of soil, water, and related resources.*

### Water, Weeds, and Seedlings

When you read that a particular species of plant is drought-tolerant, please keep in mind that it is *only after the plant is established*.

*Every new plant needs regular, sufficient water for at least the first growing season.*

It is also important to consider weed control. Without it, even the best stock in the most expensive shelters will be slow to establish, or may even fail. Seedlings that don't have to compete with weeds quickly grow out of the reach of animals and are less vulnerable to wind damage and disease. According to the University of Idaho's College of Natural Resources, *weeds and grass growing next to seedlings are the number one cause of seedling mortality*. Furthermore, identical plants grown in long grass, regularly mown grass, and herbicide weed-controlled plots for three years showed that the regularly-mown grass plot yielded a plant roughly 1.5 times the size of the plant grown in the long grass. The plant grown with herbicidal weed control was up to 4 times the size of the plant in the long grass.

So when planning your planting project, please remember to account for regular water and weed control. And as always, read and follow the label directions on any herbicide you use.

### 2010 PLANT SALE

#### TERMS AND CONDITIONS:

Any order with a total price of \$100.00 or less must be paid in full at time of order. Orders totaling more than \$100.00 require a 25% deposit, with remainder due at pick up.

We accept cash and checks. Sorry, no credit or debit cards.

All plants are sold on a first come, first served basis.  
All sales are final.

Pick up will be at KLICKITAT VALLEY GRAIN GROWERS, 210 West Brooks Street on March 27, 2010, from 9 am - 1 pm. **It is the BUYER'S RESPONSIBILITY to collect their plants on this day.** (Arrangements can be made for an alternate pickup site for orders received from the Bickleton area)

Orders may be mailed or made in person at the office.

Please make checks payable to:  
Eastern Klickitat Conservation District

1107 S. Columbus Ave.  
Goldendale WA 98620

**Questions?** Please call Mindy at (509) 773-5823 ext. 5