

Drought Tolerant Trees, Shrubs, and Grasses For The Wood River Valley

Watering levels are for plants that have been established for a minimum of one year. These watering levels are above and beyond any natural precipitation that may fall during the growing season. Low = 0.2-0.5 in/week, Medium = >0.5-1 in/week, High = >1 in/week. FS = sun, DS = dappled shade, S= shade

Conifer Trees

Common Name	Botanical Name	Water Needs	light
White fir	<i>Abies concolor</i>	Medium	FS/DS
Rocky Mountain Juniper	<i>Juniperus scopulorum</i>	Low	FS
One seeded juniper	<i>Juniperus monosperma</i>	Low	FS
Western Larch	<i>Larix occidentalis</i>	Medium	FS
Pinyon pine	<i>Pinus edulis</i>	Low	FS
Bristlecone pine	<i>Pinus aristata</i>	Low	FS
Pondersosa Pine	<i>Pinus ponderosa</i>	Low	FS
Limber pine	<i>Pinus flexilis</i>	Low	FS/DS
Lodgepole pine	<i>Pinus contorta</i>	low to med	FS
Austrian pine	<i>Pinus nigra</i>	Low	FS

Deciduous Trees

Common Name	Botanical Name	Water Needs	light
Apple	<i>Malus spp.</i>	low/medium	FS
Apricot	<i>Prunus spp.</i>	low	FS
Cherry	<i>Prunus spp.</i>	low	FS
Chokecherry	<i>Prunus virginiana</i>	low	FS
Crabapple	<i>Malus spp.</i>	medium	FS
American Elm	<i>Ulmus spp. - DED resistant</i>	medium	FS
Hackberry	<i>Celtis occidentalis</i>	low	FS
Hawthorn	<i>Crataegus spp.</i>	low	FS
Honeylocust, thornless	<i>Gleditsia triacanthos spp.</i>	low	FS
Horsechestnut	<i>Aesculus hippocastanum</i>	low	FS
Japanese Tree Lilac	<i>Syringa spp</i>	low	FS
Linden, American or Little lea	<i>Tilia spp.</i>	medium	FS/DS
Maackia, Amur	<i>Mackia amurensis</i>	low	FS
Maple, Norway or Freemanii	<i>Acer spp</i>	medium	varies
Mountain ash	<i>Sorbus spp</i>	medium	FS
Oak, Bur	<i>Quercus macrocarpa</i>	low	FS
Oak, Swamp White	<i>Quercus bicolor</i>	low	FS
Pear, no Bradford	<i>Pyrus spp</i>	low	FS
Plums	<i>Prunus spp.</i>	low	FS

Evergreen Shrubs and groundcovers

Common Name	Botanical Name	Water Needs	light
Juniper, common	<i>Juniperus communis</i>	low	varies

Kinnikinnik	<i>Arctostaphylos uva-ursi</i>	low/medium	DS
Oregon Grape	<i>Mahonia repens</i>	low	DS/S
Soapweed	<i>Yucca glauca</i>	low	FS
Curl leaf Mtn Mahogany	<i>Cercocarpus ledifolius</i>	low	FS

Deciduous Shrubs and Small Trees

Common Name	Botanical Name	Water Needs	light
Alder	<i>Alnus tenuifolia</i>	medium	FS/DS
Almond, Flowering	<i>Prunus glandulosa</i>	medium	FS/DS
Apache plume	<i>Fallugia paradoxa</i>	low	FS
Barberry	<i>Berberis spp</i>	medium	FS/DS
Bitterbrush	<i>Purshia tridentata</i>	low	FS
Buckthorn	<i>Rhamnus spp</i>	medium	FS
Buckthorn, Sea	<i>Hyppophae rhamnoides</i>	low	FS
Buffaloberry, Russet	<i>Shepherdia canadensis</i>	low	FS
Burningbush	<i>Euonymus alata</i>	medium	FS
Chokecherry	<i>Prunus spp.</i>	low	FS
Cliffrose, Mexican	<i>Purshia mexicana</i>	low	FS/DS
Coralberry	<i>Symphoricarpos spp</i>	low	FS
Cotoneaster	<i>Cotoneaster spp</i>	low	FS/DS
Cranberry, American	<i>V trilobum</i>	medium	FS/DS
Cranberry, European	<i>V opulus</i>	medium	FS/DS
Currant, golden	<i>Ribes spp</i>	low	DS/S
Deutzia	<i>Deutzia spp</i>	medium	FS
Red Osier Dogwood	<i>Cornus spp</i>	medium	FS/DS
Elderberry	<i>Sambucus spp</i>	low	FS
Fernbush	<i>Chamaebatiaria millefolium</i>	low	FS
Filbert	<i>Corylus spp</i>	medium	FS/DS
Forsythia	<i>Forsythia spp</i>	medium	FS
Gooseberry	<i>Ribes spp</i>	low	FS
Honeysuckle	<i>Lonicera spp</i>	low	FS
Hydrangea	<i>Hyrangea spp</i>	medium	DS/S
Kinnikinnick	<i>Arctostaphylos uva-ursi</i>	low	S/DS
Lilac	<i>Sryinga spp</i>	low	FS
Maple	<i>Acer spp</i>	medium	FS/DS
Mockorange or Syringa	<i>Philadelphus lewisii</i>	low	FS
Mormon Tea	<i>Ephedra viridis</i>	low	FS
Mtn Mahogany, Birch Leaf	<i>Cercocarpus montanus</i>	low	FS
Ninebark	<i>Physocarpus spp</i>	low	FS/DS
Oak, Gambel's	<i>Quercus gambelli</i>	low	FS
Peashrub	<i>Caragana spp</i>	low	FS
Plum	<i>Prunus spp.</i>	low	FS
Shrubby Cinquefoil	<i>Potentilla spp</i>	low	FS
Quince	<i>Chaenomeles spp</i>	medium	FS/DS
Rabbitbrush	<i>Chrysothamnus spp</i>	low	FS
Raspberry	<i>Rubus spp.</i>	low	FS
Rose, Woods	<i>Rosa woodsii</i>	low-medium	FS

Sagebrush	<i>Artemisia spp</i>	low	FS
Saltbush, Four Wing	<i>Atriplex canescens</i>	low	FS
Sandcherry	<i>Prunus besseyi</i>	low	FS
Serviceberry	<i>Amelanchier spp</i>	low	FS/DS
Snowberry	<i>Symphoricarpos spp</i>	low	FS
Spirea	<i>Spiraea spp</i>	medium	FS
Spirea, Ashleaf	<i>Sorbaria sorbifolia</i>	low	FS
Spirea, Rock	<i>Holodiscus dumosus</i>	low	FS
Sumac, Oakleaf	<i>Rhus trilobata</i>	low	FS
Summersweet	<i>Clethra alnifolia</i>	medium	DS/S
Thimbleberry	<i>Rubus deliciosus</i>	low	FS
Viburnum	<i>Viburnum spp</i>	medium	DS/S
Waxflower	<i>Jamesia americana</i>	low	FS
Winter Fat	<i>Cerotoides lanata</i>	low	FS

Grasses

Common Name	Botanical Name	Water Needs	height
crested wheat grass	<i>Agropyron cristatum</i>	low	12-18"
sideoats grama	<i>Bouteloua certipendula</i>	low	1-2'
blue grama	<i>Bouteloua gracilis</i>	low	1-2'
blue fescue	<i>Festuca ovina gluca</i>	low	4-10"
blue acenea grass	<i>Helictotrichon sempervirens</i>	low	4'
karl foerster feather reed	<i>C arundinacea 'Karl Foerster'</i>	medium	2-4'
norhern sea oats	<i>Chasmanthim latifolium</i>	medium	3-4'
hardy plume grass	<i>Erianthus (Saccharum) ravennae</i>	medium	9-12'

Grasses for Xeriscape

Common Name	Botanical Name	Water Needs	height
western wheat grass	<i>Agropyron smithii</i>	low	2-4'
blue grama grass	<i>Bouteloua gracilis</i>	low	1-2'
hairy grama grass	<i>Bouteloua hirsuta</i>	low	6-24"
kalm's chess	<i>Bromus kalmii</i>	low	2-4'
bluejoint	<i>Calamagrostis canadensis</i>	low	2-5'
prairie sand reed	<i>Calamovilfa longifolia</i>	low	2-6'
Canada wild rye	<i>Elymus canadensis</i>	low	2-5'
virginia wild rye	<i>Elymus virginicus</i>	low	2-4'
sheep fescue	<i>Festuca ovina</i>	low	1-2'
June grass	<i>Koeleria cristata</i>	low	1-2'
glaucous bluegrass	<i>Poa glaucifolia</i>	low	1-2'
inland bluegrass	<i>Poa interior</i>	low	1-2'
needle and thread	<i>Stipa comata</i>	low	1-3'
porcupine grasss	<i>Stipa spartea</i>	low	2-3'
purple top	<i>Tridens flavus</i>	low	3-5'

Flowers and groundcovers

common name	Botanical name	water needs	light
Aster	<i>Aster spp</i>	low	FS
Blanketflower	<i>Gaillardia aristata</i>	low/medium	FS/DS
Coneflower, purple	<i>Echinacea purpurea</i>	low/medium	FS/DS
Buckwheat	<i>Eriogonum spp</i>	low/medium	FS
Daisy, cut leaf	<i>Erigeron compositus</i>	low	FS
Geranium, sticky	<i>Geranium viscosissimum</i>	low/medium	FS/DS
Gilia, scarlet	<i>Gilia aggregata</i>	low/medium	FS/DS
Flax, wild blue	<i>Linum perenne</i>	low/medium	FS
Pussytoes, rosy	<i>Antennaria spp</i>	low	FS/DS
Yarrow	<i>Achillea millefolium</i>	low	FS
Penstemon	<i>Penstemon spp</i>	low	FS