

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. S = sun, DS = dappled shade, s = shade

Conifer Trees

Common Name	Botanical Name	Water Needs	Aspect	Zone
Arborvitae	<i>Thuja occidentalis</i>	Medium	S	3
Fir	<i>Abies spp</i>	Medium	S/DS	3,4
Fir, Douglas	<i>Pseudotsuga menziesii</i>	Medium	S/DS	3
Juniper	<i>Juniperus spp</i>	Low	S	2
Larch (all)	<i>Larix spp</i>	Medium	S	2
Pine	<i>Pinus spp</i>	Low	S	2
Spruce	<i>Picea spp</i>	Medium	S	2

Deciduous Trees

Common Name	Botanical Name	Water Needs	Aspect	Zone
Apple	<i>Malas spp.</i>	low	S	VARIABLES
Apricot	<i>Prunus spp.</i>	low	S	3
Ash, Black	<i>Fraxinus nigra</i>	low	S	2
Ash, Green	<i>F pennsylvanica</i>	low	S	3,4
Ash, Mancana	<i>F mandschurica</i>	low	S	3
Ash, White	<i>Fraxinus americana</i>	medium	S	3
Aspen, Quaking	<i>Populus tremuloides</i>	medium	S	1
Buckeye	<i>Aesculus spp</i>	low	S/DS	3
Cherry	<i>Prunus spp.</i>	low	S	3
Chokecherry	<i>P virginiana</i>	low	S	2
Crabapple	<i>Malas spp.</i>	medium	S	VARIABLES
Elm	<i>Ulmus spp</i>	low-medium	S	4
Hackberry	<i>Celtis occidentalis</i>	low	S	3
Hawthorn	<i>Cratageagus spp</i>	low	S	4
Honeylocust	<i>Gleditsia triacanthos spp</i>	low	S	4
Horsechestnut	<i>Aesculus hippocastanum</i>	low	S	3
Lilac	<i>Syringa spp</i>	low	S	3,4
Linden	<i>Tilia spp</i>	medium	S/DS	2,3
Maakia, Amur	<i>Mackia amurensis</i>	low	S	4
Maple	<i>Acer spp</i>	low-medium	varies	2,3,4
Mountainash	<i>Sorbus spp</i>	medium	S	2
Mtn Mahogany	<i>Cercocarpus spp</i>	low-med	S	2
Oak, Bur	<i>Quercus macrocarpa</i>	low	S	2
Oak, Chestnut	<i>Quercus prinus</i>	low	S	4
Oak, Shingle	<i>Quercus imbricaria</i>	low	S	4



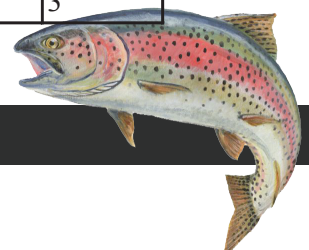
Oak, Swamp White	Quercus bicolor	low	S	3
Oak, White	Quercus alba	low	S	3
Pear	Pyrus spp	low	S	3
Plums	Prunus spp.	low	S	3

Evergreen Shrubs and Small Trees

Common Name	Botanical Name	Water Needs	Aspect	Zone
Juniper	Juniperus spp	low	varies	varies
Larch	Larix spp.	low	S	3
Pine	Pinus spp	medium	S	2
Rabbitbrush	Chrysothamnus spp	low	S	2
Soapweed	Yucca glauca	low	S	4
Spruce	Picea spp	medium	S	2

Deciduous Shrubs and Small Trees

Common Name	Botanical Name	Water Needs	Aspect	Zone
Alder	Alnus tenuifolia	medium	S/DS	1,2
Almond, Flowering	Prunus glandulosa	medium	S	3
Barberry	Berberis spp	medium	S/DS	3
Buckthorn	Rhamnus spp	medium	S	3
Buckthorn, Sea	hyppophae rhamnoides	low	S	4
Buffaloberry	Shepherdia spp	low	S	3
Burningbush	Euonymus alata	medium	S	4
Chokeberry	Aronia spp	medium	S/DS	4
Chokecherry	Prunus spp.	low	S	3
Cliffrose, Mexican	Purshia mexicana	low	S/DS	4
Coralberry	Symphoricarpos spp	low	S	2
Cotoneaster	Cotoneaster spp	low	S/DS	3
Cranberry, American	V trilobum	medium	S/DS	3
Cranberry, European	V opulus	medium	S/DS	3
Currant	Ribes spp	low	DS/s	4
Deutzia	Deutzia spp	medium	S	3
Dogwood	Cornus spp	medium	S/DS	1,2
Elderberry	Sambucus spp	low	S	2
Fernbush	Chamaebatiaria millefolium	low	S	4,5
Filbert	Corylus spp	medium	S/DS	3
Forsythia	Forsythia spp	medium	S	4
Gooseberry	Ribes spp	low	S	2
Honeysuckle	Lonicera spp	low	S	4
Hydrangea	Hyrangea spp	medium	DS/s	3
Kinnikinnick	Arctostaphylos uva-ursi	low	S/DS	2
Lilac	Sryinga spp	low	S	3
Maple	Acer spp	medium	S/DS	varies
Mockorange	Philadelphus spp	low	S	4
Mormon Tea	Ephedra viridis	low	S	3
Mtn Mahogany	Cercocarpus spp	low	S	3



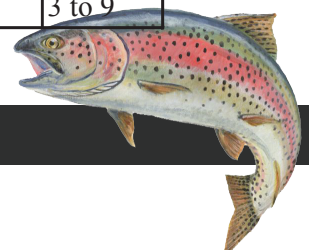
Ninebark	Physocarpus spp	low	S	3
Peashrub	Caragana spp	low	S	2
Plum	Prunus spp.	low	S	3
Potentilla	Potentilla spp	low	S	varies
Quince	Chaenomeles spp	medium	S/DS	4
Raspberry	Rubus spp.	low	S	varies
Rose	Rosa spp	low-medium	S	varies
Sagebrush	Artemisia spp	low	S	2
Saltbush, Four Wing	Atriplex canescens	low	S	4
Sandcherry	Prunus besseyi	low	S	4
Serviceberry	Amelanchier spp	low	S/DS	4
Snowberry	Symphoricarpos spp	low	S	3
Spirea	Spiraea spp	medium	S	3
Spirea, Ashleaf	Sorbaria sorbifolia	low	S	4
Spirea, Rock	Holodiscus dumosus	low	S	4
Sumac	Rhus spp	low	S	4,3
Summersweet	Clethra alnifolia	medium	DS/s	2,3
Thimbleberry	Rubus deliciosus	low	S	4
Viburnum	Viburnum spp	medium	DS/s	4
Waxflower	Jamesia americana	low	S	4
Winter Fat	Cerotoides lanata	low	S	4

Ornamental Grasses

Common Name	Botanical Name	Water Needs	height	zone
crested wheat grass	Agropyron cristatum	low	12-18"	3
sideoats grama	Bouteloua certipendula	low	1-2'	3
blue grama	B gracilis	low	1-2'	3
blue fescue	Festuca ovina gluca	low	4-10"	4 to 9
blue acenea grass	helictotrichon sempervirens	low	4'	4 to 9
ribbon grass	Phalaris arundinacea 'Picata'	low	1-3'	4 to 8
karl foerster feather reed	C arundinacea 'Karl Foerster'	medium	2-4'	4
norhern sea oats	Chasmanthim latifolium	medium	3-4'	4
hardy plume grass	Erianthus (Saccharum) ravennae	medium	9-12'	4 to 9
tall fescue	Festuca arundinacea	medium	1-2'	2

Grasses for Xeriscape

Common Name	Botanical Name	Water Needs	height	zone
western wheat grass	Agropyron smithii	low	2-4'	3 to 9
sideoats grama	Bouteloua curtipendula	low	1-2'	3
blue grama grass	B gracilis	low	1-2'	3
hairy grama grass	B hirsuta	low	6-24"	3 to 9
kalm's chess	Bromus kalmii	low	2-4'	3 to 8
bluejoint	Calamagrostis canadensis	low	2-5'	3
prairie sand reed	Calamovilfa longifolia	low	2-6'	3 to 6
Canad a wild rye	Elymus canadensis	low	2-5'	3 to 8
virginia wild rye	E virginicus	low	2-4'	3 to 9



sheep fescue	<i>Festuca ovina</i>	low	1-2'	3 to 9
squirreltail grass	<i>Hordeum jubatum</i>	low	1-2'	4 to 9
June grass	<i>Koeleria cristata</i>	low	1-2'	3 to 9
reed canary grass	<i>Phalaris arundinacea</i>	low	2-5'	4 to 8
glaucous bluegrass	<i>Poa glaucifolia</i>	low	1-2'	3 to 9
inland bluegrass	<i>P. interior</i>	low	1-2'	3 to 9
needle and thread	<i>Stipa comata</i>	low	1-3'	4 to 9
porcupine grasses	<i>S. spartea</i>	low	2-3'	3 to 6
purple top	<i>Tridens flavus</i>	low	3-5'	4
bottlebrush grass	<i>Hystrx patula</i>	medium	2-4'	4 to 9

