



APPENDIX D

BIORETENTION PLANT LIST

D.1 Bioretention Plant List

This appendix is intended to provide guidance for the selection trees, shrubs, grasses, perennials, wildflowers, and groundcover for bioretention facilities. The plant list contains both native and non-native species that are well suited for planting bioretention Planting Zone 1 and/or 2.

This is not an exhaustive list. There are likely plants not listed here which would be particularly well-suited to the climatic and physiographical conditions of an eastern Washington bioretention facility. Rather this list is intended to form the basis for LID plant selection in the region, and should be amended, as appropriate, over time.

The list is organized by scientific name, but also includes information identifying the climate zones (see Figure 1.1) and bioretention planting zones (see Figure D1.1) applicable to the each planting. Each plant listed includes:

- Scientific name.
- Common name.
- Native status.
- Climate regions.
- Bioretention zones.
- Solar exposure preferences.
- Size (including height and spread).
- Characteristics relevant to design.

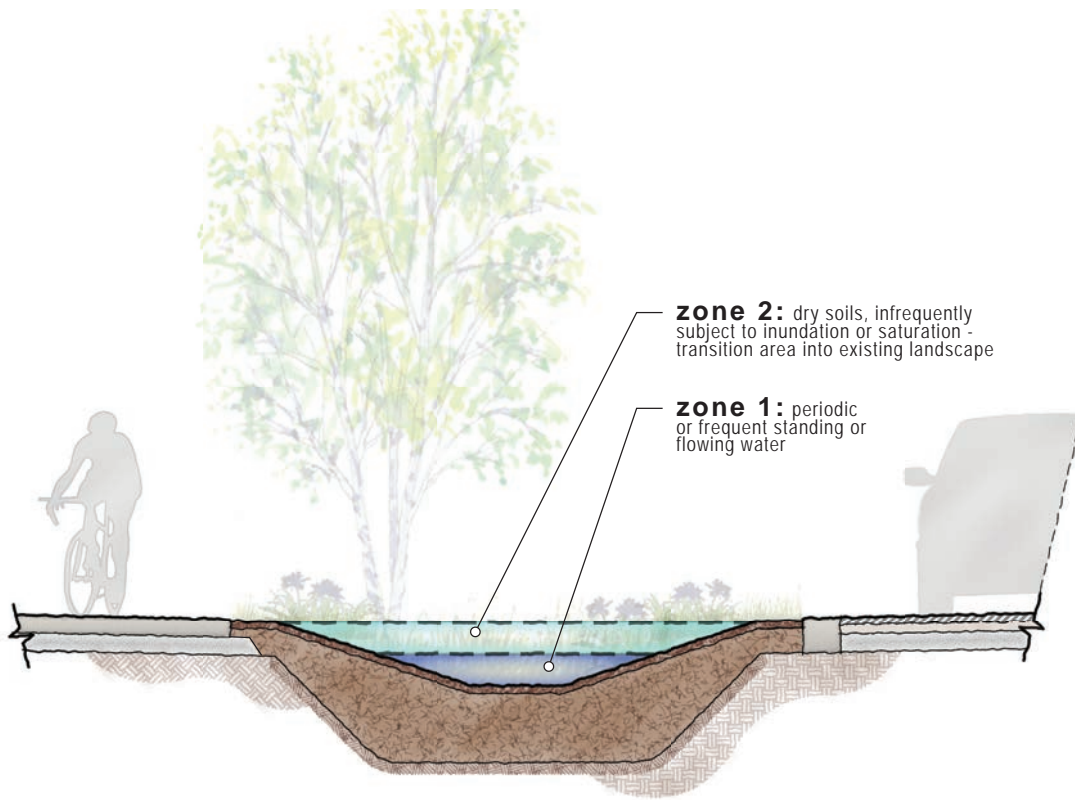


FIGURE D1.1
 Bioretention soil moisture zones.
 Source: AHBL, Inc.

In bioretention swales and some rain gardens, soil surface is sloped, resulting in differing planting conditions across the structure (Bioretention Planting Zones 1 and 2). Plants located at the bottom where ponding occurs, must be able to tolerate periodic stormwater inundation and will have different requirements than those placed on the side slopes, which receive runoff, but not ponding.

When selecting any plant species for LID projects, designers should consider xeriscape practices. Xeriscaping is a landscaping or gardening practice that focuses on efficient irrigation practices, grouping plants together with the same soil, water, and sunlight requirements, and minimizing the need for fertilizers and pesticides.

TABLE D.1 TREES

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Acer glabrum</i>	Rocky Mountain maple	Y	<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	6' typ., 25' mature	Grows tall and spindly in stands, dense shrub alone, reddish-orange fall color.
<i>Alnus incana</i>	Mountain alder		<input type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	25'x10'	Small to medium size tree with smooth grey bark, even in old age.
<i>Betula nigra</i>	River birch	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	60'	Peeling bark, winter interest, not affected by birch borers.
<i>Betula occidentalis</i>	Water birch	Y	<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	25'	Spring catkins, yellow fall color.
<i>Celtis occidentalis</i>	Common hackberry		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	60' x 50'	Berries.
<i>Cercis canadensis</i>	Eastern redbud		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	20-25'	Small pinkish flowers held close to branches, yellow-orange fall color, provides spring and fall interest.
<i>Cornus</i>	Dogwood species		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	20'	Small, rounded tree, yellow flowers early in spring, red, olive-shaped fruit.
<i>Cotinus coggygria</i>	Smoke tree		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	10-15'	Multi-stemmed shrub. Soft, cloudlike masses of pinkish clusters.
<i>Crataegus douglasii</i>	Douglas hawthorne	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	15-20'	Clusters of white flowers in spring followed by large edible scarlet berries that turn black and persist into winter.
<i>Fraxinus pennsylvanica</i>	Green ash		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	70'	Fast-growing shade tree, yellow fall color.
<i>Ginkgo biloba</i>	Maiden hair tree		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	60' x 40'	Select male plants to avoid foul smelling fruit.
<i>Gleditsia triacanthos var. inermis</i>	Thornless honey locust		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	25-90'	Airy, lacy leaves appear in late spring. Yellow fall color.

TABLE D.1 TREES, CONT.

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Juglans nigra</i>	Black walnut tree		<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	75' x 75'	Deep tap root.
<i>Juniperus scopulorum</i>	Rocky Mountain juniper	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	20'	Evergreen. Can tolerate a variety of soils and moisture conditions.
<i>Nyssa sylvatica</i>	Tupelo tree		<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	30'-50'	Bright reds, oranges, yellows, and greens, interesting form.
<i>Pinus mugo mugo</i>	Mugo pine	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	2-6' x 12'	Protect from drying summer winds.
<i>Pinus nigra</i>	Austrian pine		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	35' x 15'	Good in the city and for windbreaks.
<i>Pinus ponderosa</i>	Ponderosa pine	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Shade	80'	Native to upland sites.
<i>Pinus sylvestris</i>	Scotch pine		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	30-50'	Colorful bark.
<i>Populus tremuloides</i>	Quaking aspen	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	50'	Fast grower, bright gold fall color, attractive bark.
<i>Prunus virginiana</i>	Chokecherry	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	25'	Spikes of white creamy flowers with red berries that attract wildlife. Dark green leaves turn maroon and gold in fall.
<i>Rhus glabra</i>	Smooth sumac	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	5-15' x 10-15'	Striking red fall color.
<i>Salix</i>	Willow	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2		10-20'	Large upland willow.
<i>Sequoiadendron giganteum</i>	Giant sequoia		<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	75-100'	Dense, pyramidal to columnar evergreen, reddish, furrowed bark.

TABLE D.1 TREES, CONT.

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Syringa vulgaris</i>	Common lilac		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	10-12'	Clustered blooms. White, pink, purple, and blue blooming cultivars available. Deep green foliage.
<i>Quercus garryana</i>	Oregon white oak	Y	<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	50' x 50'	Acorns.
<i>Quercus macrocarpa</i>	Burr oak		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	80' x 70'	Adapts to moist or dry soils.
<i>Quercus palustris</i>	Pin oak		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	60'	Rusty red fall color, holds leaves in winter.
<i>Tilia tomentosa</i>	Silver linden		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	40-60'	Fragrant yellow flowers. Clusters around fruit.
<i>Ulmus pumila</i>	Siberian elm		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	75'	Suggest 'Lincoln' cultivar.

TABLE D.2 SHRUBS

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Amelanchier alnifolia</i>	Serviceberry	Y	<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	10'-20'	Very hardy, drought tolerant, will need some supplemental watering during dry months. White flowers in early spring.
<i>Artemisia sp.</i>	Sagebrush	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	18"	Sprawling woody shrub with finely divided silver leaves. Some drought-tolerant varieties include: <i>A. frigida</i> , <i>A. tripartita</i> , <i>A. ludoviciana</i> .
<i>Atriplex canescens</i>	Four-wing saltbush		<input type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	1-6' h x 4-8' w	Extremely tolerant of all conditions.
<i>Berberis thunbergii</i>	Japanese barberry		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	2-6' h	Leaves turn scarlet in autumn. Bright red berries. Insignificant blooms.
<i>Chrysothamnus naseosum</i>	Rabbitbrush	Y	<input type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	3-4'	Bright yellow blooms in fall. Upright foliage. Thin narrow grey leaves make attractive foliage. Green rabbitbrush is also an option. Recommend 'Tall Blue' cultivar.
<i>Caragana arborescens</i>	Siberian pea shrub		<input type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	7-20'	Pealike bloom and seedpods that resemble string beans.
<i>Caragana frutex</i>	Russian pea shrub		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	10'	More erect than siberian pea shrub.
<i>Caryopteris x clandonensis</i>	Blue mist spirea		<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	2-3' h x 3' w	Blue blooms in late summer. May be used as a perennial.
<i>Cornus alba</i>	Tatarian dogwood		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	5-10'	Variegated leaf, red twig, winter interest, deer resistant
<i>Cornus sericea</i>	Redosier dogwood	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	3-8'	Red twig, winter interest, deer resistant.
<i>Cornus sericea 'Flaviramea'</i>	Yellowtwig dogwood		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	8'	Yellow twig, winter interest, some variegated cultivars, deer resistant.

TABLE D.2 SHRUBS, CONT.

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Cotoneaster</i> sp.	Cotoneaster		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	Varies	Berry-bearing plants with distinct branching patterns and small, shiny leaves held close to the branch. Suggest <i>C. acutifolius</i> , <i>C. adpressus</i> , <i>C. apiculatus</i> , <i>C. divaricatus</i> , <i>C. horizontalis</i> .
<i>Cotinus coggygria</i>	Smoke bush		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	12-15'	'Royal Purple' cultivar with brownish-purple foliage is also a nice option.
<i>Fallugia paradoxa</i>	Apache plume		<input type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	4' x 4'	Pink, silky plumed seed heads cover plant for many months.
<i>Forestiera neomexicana</i>	New Mexico privet		<input type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	4' spread	Only female broduce black berries. Beautiful bark, yellow fall color. Substitute for Aspen and Birch.
<i>Genista tinctoria</i>	Dyer's greenweed	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	3' x 4'	Upright habit, yellow flowers in spring into early summer. May sucker in warmer areas.
<i>Helianthemum</i> sp.	Sunrose		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	less than 1' x 2-3' wide	Clumping evergreen, low spreading shrub with brightly colored flowers. Tolerates poor soils.
<i>Holodiscus discolor</i>	Ocean spray	Y	<input type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Shade	8'	White flower, red or burgundy fall color, dwarf cultivars available.
<i>Ligustrum vulgare</i>	Common privet		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	5-15'	Dense habit. Tolerates windy conditions.
<i>Mahonia repens</i>	Creeping Oregon grape	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	1.5'	Green leathery leaves turn reddish in fall. Yellow flowers followed by tasty purple berries.
<i>Philadelphus lewisii</i>	Mock Orange	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	3-10' / 6' wide	Beautiful, fragrant white blooms in late spring.
<i>Physocarpus malvaceus</i>	Mallow ninebark	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input type="checkbox"/> Zone 2	Sun - Part Shade	5-10'	Exfoliating bark. Attractive seed pods.

TABLE D.2 SHRUBS, CONT.

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Pinus mugo</i>	Mugo pine	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	2.5'-12'	Protect from drying summer winds.
<i>Potentilla fruticosa</i>	Shrubby cinquefoil	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	4' x 4'	Yellow blooms in summer. Newer varieties in other colors. Flowers best in full sun.
<i>Prunus sp.</i>	Shrub cherry	varies	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Sun	varies	
<i>Purshia tridentata</i>	Bitterbrush	Y	<input type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	2'-6'	Small yellow blooms with small, fresh-scented silvery leaves.
<i>Rhamnus frangula</i>	Alder buckthorn		<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	10-18'	Effective hedge or windbreak.
<i>Ribes aureum</i>	Golden currant	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	3-6'	Scented yellow flowers from April to May. Flowers attract hummingbirds.
<i>Ribes cereum</i>	Wax currant	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	3-4'	Small white blossoms followed by bright red berries. Attracts several bird species.
<i>Ribes sanguineum</i>	Red flowering currant	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	5'-8'	Early leaf-out, fragrant pinkish-red flower, edible fruit, drought-tolerant.
<i>Rosa nutkana</i> var. <i>hispida</i>	Nootka rose	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	2-10'	Fragrant, long-lasting blooms. Bright red hips.
<i>Rosa woodsii</i>	Woods' rose	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	3-4'	Clusters of aromatic pink flowers and bright red fruits.
<i>Rubus deliciosus</i>	Boulder raspberry		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	6' x 8'	Very showy, white flowers in spring.
<i>Sambucus cerulea</i>	Blue elderberry	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone	Sun - Part Shade	up to 15'	Tall shrub with masses of small berries August and September.

TABLE D.2 SHRUBS, CONT.

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Spiraea douglasii</i>	Western spirea, Hardhack	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input type="checkbox"/> Zone 2	Sun - Part Shade	4'-6'	Fragrant pink summer flower.
<i>Symphoricarpos albus</i>	Snowberry	Y	<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	3'-5'	White flower, white berry that attracts birds, winter interest.
<i>Symphoricarpos x chenaultii</i>	Chenault coralberry		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	4' x 6'	Pink blooms in spring. Takes moist to dry soils. Attractive fruit.
<i>Taxus cuspidata</i>	Japaense yew		<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Shade	30' x 30'	Evergreen. Can be heavily pruned.
<i>Viburnum burwoodii</i>	Burkwood viburnum		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	6' x 4'	Attractive to wildlife. Nearly pest free.
<i>Yucca filamentosa</i>	Adam's needle		<input type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	2.5' x 2.5'	Cluster of green, spike tipped leaves has a tall, showy cluster of white flowers in the summer. Hardy, drought tolerant, tough and beautiful.

TABLE D.3 GRASSES

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Agropyron spicatum</i>	Bluebunch wheatgrass	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	24-36" w	Large bunchgrass. Slow to establish, but very hardy once established. ¼" planting depth.
<i>Andropogon gerardii</i>	Big bluestem		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	6' h	Gray-blue leaf, attractive flower, rusty fall color, very deep roots, salt-tolerant, drought-tolerant.
<i>Andropogon scoparius</i>	Little bluestem		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	3' x 1'	Reddish tones in fall. Suggest 'The Blues'.
<i>Calamagrostis x acutiflora</i>	Feather reed grass		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	3'-6' h	Natives and cultivars, upright habit, attractive flower, fall and winter interest, deer resistant. Suggest 'Karl Foerster' or 'Overdam'.
<i>Carex sp.</i>	Sedge		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Shade	Varies x 12"	Suggest <i>C. glauca</i> , <i>C. grayii</i> , <i>C. pensylvanica</i> .
<i>Deschampsia caespitosa</i>	Tufted hair grass	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	36" x 18"	Attractive lacy flower.
<i>Elymus cinereus</i>	Great Basin wildrye	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	5-6' h	Robust plant that prefers moist sites like ditches or swales. Will form large clumps. ½" planting depth.
<i>Festuca idahoensis</i>	Idaho fescue	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	18-24" w	Wiry leaves with compact growth from. ¼" planting depth.
<i>Festuca ovina glauca</i>	Blue fescue		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	10" h	Tufted mound of bluish-green grass to 10 inches. Keeps color throughout winter.
<i>Helictotrichon sempervirens</i>	Blue oat grass		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	3' x 3'	Drought tolerant once established.
<i>Juncus effusus</i>	Common Rush	Y	<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	4' x 2'	Typical of alternately dry and wet sites.

TABLE D.3 GRASSES, CONT.

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Panicum virgatum</i>	Switchgrass		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	5' h	Attractive lacy flower, fall color, winter interest, salt-tolerant. Many varieties.
<i>Pennisetum sp.</i>	Fountain grass		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	3' x 3'	Select for drought-tolerance. 'Hameln' is a drought-tolerant, dwarf variety.

TABLE D.4 PERENNIALS AND WILDFLOWERS

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Achillea millefolium</i>	Common yarrow	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	8-12"	A perennial herb that produces one to several stems.
<i>Achillea tomentosa</i>	Wooly yarrow	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	8"	Fire retardant, fern-like leaves, flat clusters of yellow flowers in spring.
<i>Aethionema schistosum</i>	Fragrant Persian rock cress		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	10" x 15"	Evergreen foliage. Powder blue bloom. Reseeds.
<i>Agastache sp.</i>	Hyssop		<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	18" - 30" x 18"	Purple blooms. Sage-like appearance. Attracts butterflies. <i>A. canna</i> is hardy to Zone 3. Also suggest <i>A. rupestris</i> .
<i>Alyssum saxatile compactum</i>	Goldkugel Basket of Gold		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	6" x 18"	Compact. Attractive silver-gray foliage.
<i>Amsonia sp.</i>	Blue star flower		<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	2-3'	Star-shaped blooms.
<i>Anaphalis margaritacea</i>	Pearly everlasting	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	20" x 20"	Tiny, white flowers are crowded in small, flat, fluffy heads.

TABLE D.4 PERENNIALS AND WILDFLOWERS, CONT.

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Anemone</i>	Anemone wildflower	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	12-36"	White, pink, or rose flowers, depending on variety.
<i>Anthemis sp.</i>	Marguerite		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	8" - 3'	<i>A. biebersteinana</i> features feathery silver foliage and blooms in late spring. <i>A. tinctoria</i> is a taller, shrubier species with a golden yellow, daisy-like bloom.
<i>Armeria maritima 'compacta'</i>	Compact sea pink		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	6" x 12"	Tidy, grass-like foliage, flowers held on stems above.
<i>Artemisia sp.</i>	Sage, Silvermound	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	2' x 2'	Used for silvery, lacy foliage. Drought-tolerant species include <i>A. 'Powl's Castle'</i> , <i>A. abortanum</i> , <i>A. stelleriana</i> .
<i>Asclepias sp.</i>	Milkweed, Butterfly Weed	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	18" x 24"	Orange blooms. Attracts butterflies.
<i>Aster sp.</i>	Aster	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	1'-3' spread	Many varieties, later summer bloom, deer resistant. <i>A. occidentalis</i> is a native species. <i>A. tataricus</i> known to be drought-tolerant.
<i>Aquilegia coerulea</i>	Blue columbine	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	1' x 3'	This plant is attractive to bees, butterflies and/or birds.
<i>Balsamorhiza</i>	Arrow-leaf Balsamroot	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	12" x 24"	Sunflower-like bloom. Trident shaped silver blue leaves.
<i>Baptisia australis</i>	Blue false indigo		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	4' x 4'	Blue blooms in late spring.
<i>Callirhoe involucrata</i>	Poppy mallow		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	12" x 3'	Reddish purple bloom. Long-lived.
<i>Calytophus serrulatus</i>	Dwarf sundrops		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	6" x 10"	Heavy bloomer.

TABLE D.4 PERENNIALS AND WILDFLOWERS, CONT.

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Camassia quamash</i>	Blue camas	Y	<input type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	6" x 10"	Blooms early summer.
<i>Centaurea montana</i>	Cornflower, Mountain bluet		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	3' x 6"	Blue blooms.
<i>Coreopsis grandiflora</i>	Coreopsis		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	2' x 3'	Low grower. Yellow flowers from mid to late summer. Prefers well-drained soils. Drought-tolerant.
<i>Dianthus sp.</i>	Pink		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	12"	Pink, red, or white blooms. Dainty appearance. Select for hardiness.
<i>Dryas octopetala</i>	White dryas	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	3"	Small white flowers on short stalks with wispy seed heads. Forms a low carpet. Spreads slowly.
<i>Echinacea purpurea</i>	Purple coneflower		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	24-36" spread	Purple flowers in May thru August. Excellent for attracting butterflies. Drought tolerant.
<i>Echinops ritro</i>	Globe thistle		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	4-5'	Blooms appear in June and can last until fall. Tolerant of a variety of light conditions and soil types. Suggest 'Taplow Blue'.
<i>Erigeron speciosus</i>	Fleabane	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	6" x 24"	Yellow flowers for many weeks in late spring to early summer. Blooms in May and June.
<i>Eryngium sp.</i>	Sea holly		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	12-36"	Select for hardiness and perennial growth. Suggest 'Sapphire Blue'.
<i>Escholtzia californica</i>	California poppy		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	12-18"	Blueish green fern-like leaves with orange flowers. Flowers open during day and close at night. Spicy fragrance.
<i>Filipendula vulgaris</i>	Dropwort		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	2'-3'	Basal growing fern-like leaves.

TABLE D.4 PERENNIALS AND WILDFLOWERS, CONT.

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Gaillardia aristata</i>	Blanket flower	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	18-24"	Hardy brilliant red flowers with yellow rims.
<i>Geranium sp.</i>	Cranesbill	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	12"-24"	Many species/varieties. Finely-lobed foliage. Select for drought-tolerance. <i>G. sanguineum</i> features rose, pink, white or purple flowers throughout summer. <i>G. macrorrhizum</i> is attractive to wildlife.
<i>Helianthella uniflora</i>	Little sunflower	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	2-4'	Sunflower-like bloom. Single flower stalk.
<i>Hemerocallis 'Stela d'Oro'</i>	Stella d'Oro daylily		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	1.5'	Long bloom in spring and summer, tough plant, yellow blooms, smaller than other daylilies.
<i>Hosta sp.</i>	Hosta		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Part Sun - Shade	3'	Variegated foliage.
<i>Hypericum calycinum</i>	St. John's wort		<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	2-3'	Yellow blooms in summer.
<i>Iris sibirica</i>	Siberian iris	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	2'	Blue flower in spring, attractive leaf, deer resistant.
<i>Lewisia rediviva</i>	Bitterroot	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	6"	Various blooms. Good for rock gardens.
<i>Liatrius punctata</i>	Gayfeather		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	24" x 18"	Sends up dense flower stalks. Blooms in the later summer. Prefers well-drained soils. More drought-tolerant than <i>L. spicata</i> . Also consider <i>L. aspera</i> .
<i>Limonium latifolium</i>	Sea lavender		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	18"-30"	Looks like a delicate cloud of lavender, pink or white flowers.

TABLE D.4 PERENNIALS AND WILDFLOWERS, CONT.

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Linum sp.</i>	Flax		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	10" x 15"	Yellow blooms in summer. Reseeds if not cut back.
<i>Linum perenne</i>	Wild blue-flax	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	1'-2'	Dainty blue flowers.
<i>Lupinus sp.</i>	Lupine	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	18" x 12"	Many species and varieties. Select for drought-tolerance. <i>L. sericeus</i> is a native, purple-flowered lupine of dry areas with short-lived blooms.
<i>Matteuccia struthiopteris</i>	Ostrich fern		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Shade	5'	Striking size and form.
<i>Nepeta sp.</i>	Catmint		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	12-36"	Dainty purple blooms throughout the summer. Prefers well-drained soils. Drought-tolerant.
<i>Oenothera sp.</i>	Evening primrose	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	10" x 36"	Suggest <i>O. caespitosa</i> and <i>O. missouriensis</i> .
<i>Opuntia sp.</i>	Prickly pear	Y	<input type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	112"	Various blooms. Desert plant. Suggest <i>O. humifusa</i> .
<i>Origanum vulgare</i>	Oregano		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	2-3'	Do not overwater. Edible.
<i>Penstemon gloxinioides</i>	Garden penstemon	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	12"-24"	Blooms in spring in dry rocky sites.
<i>Perovskia atriplicifolia</i>	Russian sage		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	5' x 4'	Silvery foliage. Lavender spikes.
<i>Polystichum munitum</i>	Sword fern	Y	<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input type="checkbox"/> Zone 2	Shade	3'	Drought tolerant once established.
<i>Ratibida columnifera</i>	Prairie coneflower		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	3' x 4.5'	Red and yellow, columnar flower heads up to 3 inches.

TABLE D.4 PERENNIALS AND WILDFLOWERS, CONT.

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Rudbeckia fulgida</i> 'Goldsturm'	Black-eyed Susan		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	24" x 36"	Bright yellow blooms with dark centers mid-summer through early fall.
<i>Salvia sp.</i>	Sage (Gray ball)	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	2' x 2'	Small gray-green shrub. Intolerant of shade.
<i>Salvia pachyphylla</i>	Giant flowered purple sage		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	3' x 30"	Giant Flowered Purple Sage blooms all summer and is evergreen.
<i>Salvia x sylvestris</i>	Purple sage		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	2' x 2'	'Mainacht' is drought-tolerant.
<i>Saponaria ocymoides</i>	Soapwort		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	8" x 2'	Pink blooms in spring. Likes sandy soil.
<i>Solidago sp.</i>	Goldenrod	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	6' x 3'	Bright yellow blooms on stalks. May lie horizontal or upright. <i>S. canadensis</i> and <i>S. occidentalis</i> are native. Some varieties of <i>S. rugosa</i> are drought-tolerant.
<i>Sphaeralcea sp.</i>	Globemallow	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	4' x 2'	Select for drought-tolerance. Suggest Currant-leaved globemallow (<i>S. grossularifolia</i>) and Orange globemallow (<i>S. incana</i>).
<i>Stanleya pinnata</i>	Prince's plume	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	3.5' x 2'	Spectacular spires of yellow flowers. Takes a year or two to become well established. Very susceptible to herbicides.
<i>Verbascum sp.</i>	Mullein		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	6'	Hairy foliage with tall, yellow flower stalks. Will likely self-sow.

TABLE D.5 GROWDCOVERS

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Arctostaphylos uva-ursi</i>	Kinnickinnick	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	4"	Ground-hugging evergreen plant with glossy green leaves change to red color in fall. Small, bell-shaped pink flowers in spring, followed by small, half-inch red berries.
<i>Antennaria rosea</i>	Pink pussytoes		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	6" x 12"	Spreads and self-sows rapidly.
<i>Arabis caucasica</i>	Wall Cress		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	6" x 12"	White or pink blooms emerge in spring.
<i>Campsis radicans</i>	Trumpet creeper		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	40' spread	Vigorous vine. Needs some support.
<i>Ceanothus prostratus</i>	Squaw carpet	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	5"	Evergreen. Showy blue/purple flowers.
<i>Cerastium tomentosum</i>	Snow-in-summer		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	12" x 12"	Spread, dense mats of silvery gray leaves are crowned with distinctive masses of snow-white flowers.
<i>Eriogonum sp.</i>	Buckwheat	Y	<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	4-12"	Evergreen, ground covering shrub is native to the western US. Large clusters of creamy white flowers grace low shrubs with narrow, frosty-green leaves. Drought-tolerant varieties include <i>E. heracleoides</i> , <i>E. niveum</i> , and <i>E. umbellatum</i> .
<i>Fragaria virginiana</i>	Wild strawberry	Y	<input checked="" type="checkbox"/> Region 1 <input type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	1'-2' spread	White or pink flower, edible berries, spreads by surface runners, deer resistant.
<i>Helianthemum nummularium</i>	Sunrose		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	12"-18"	Evergreen. Gray or green leaves, very colorful flowers in mid-summer. Shear after first flower to encourage fall bloom.
<i>Juiperus horizontalis</i>	Creeping juniper		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	12"-10"	Many cultivars of low-growing, evergreen shrubs. Turns a purplish color in fall.

TABLE D.5 GROWDCOVERS, CONT.

SCIENTIFIC NAME	COMMON NAME	NATIVE	CLIMATE REGION	BIO-RETENTION ZONE	EXPOSURE	MATURE SIZE (H X W)	CHARACTERISTICS
<i>Microbiota decussata</i>	Russian cypress		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Shade	1.5' x 15'	Foliage turns bronze in winter if in full sun.
<i>Phlox sp.</i>	Phlox	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	6"	Many species and varieties, some native. Select for drought-tolerance. <i>P. subulata</i> is readily available.
<i>Polygonum affine</i>	Himalayan fleecflower		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	10" x 30"	Pink blooms in late summer.
<i>Potentilla sp.</i>	Cinquefoil		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	2"	Delicate, bright green leaves with bright yellow flowers in spring and summer. Fast growing.
<i>Sedum sp.</i>	Stonecrop	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	4", 2-4' spread	Mat-forming evergreen plant. Tolerates some shade, requires good drainage. 'Cape Blanco', 'Purpureum' are drought-tolerant.
<i>Sempervivum sp.</i>	Hen and chicks		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	4" x 12"	Does best in gravelly soil.
<i>Stacy's byzantine</i>	Lamb's ears		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	18"	Soft, thick, white woolly leaves. Small stalks of purple blooms.
<i>Teucrium sp.</i>	Germander		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	12"	Evergreen. Woody upright stems with dark green, toothy leaves.
<i>Thymus sp.</i>	Thyme		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	1"-6"	Mat forming, spreading plants. Silver gray foliage. <i>T. lanuginosus</i> and <i>T. pseudolanuginosus</i> are low evergreen species. <i>T. praecox</i> is deciduous and grows to 6".
<i>Veronica sp.</i>	Speedwell		<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun - Part Shade	18"-24"	Suggest <i>V. oltensis</i> and <i>V. pectinata</i> .
<i>Zinnia grandiflora</i>	Rocky Mountain zinnia	Y	<input checked="" type="checkbox"/> Region 1 <input checked="" type="checkbox"/> Region 2 <input checked="" type="checkbox"/> Region 3 <input checked="" type="checkbox"/> Region 4	<input checked="" type="checkbox"/> Zone 1 <input checked="" type="checkbox"/> Zone 2	Sun	8" x 10"	Deer resistant.