



Kittitas
Audubon
Society



Using native plants to preserve birds and protect homes under a changing climate scenario

KAS is a chapter of the National Audubon Society serving the communities of Kittitas County, Washington, along the I-90 highway corridor from the Cascade Summit at the Snoqualmie Pass through the beautiful Kittitas Valley to the Columbia River. The mission of the Kittitas Audubon is to develop an appreciation of nature through education and conservation with a focus on birds.





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Best Practices Guide

Conserving Water, Preserving Birds in Fire-Prone Areas

Kittitas County and Areas of Eastern Washington

Introduction

Global warming is causing a multitude of changes in the Earth's climate. Increased levels of carbon dioxide in the atmosphere is the main cause of global warming. Burning of fossil fuels is the primary contributor to increased carbon dioxide levels. This is not in dispute among climate scientists. The changes in the climate include many that pose threats to people and wildlife, including birds. Over half of North American bird species are under threat if things continue as they are now.

Eastern Washington is a beautiful but fragile ecosystem hosting millions of acres of important bird habitat. As global warming continues, water conservation for both birds and people becomes a priority issue of concern for all residents. Wildfires are predicted to increase with climate change, especially in shrub-steppe, threatening critical bird habitat, private property and homes.

We are stewards of our own yards and properties. It is incumbent upon us to choose wisely when landscaping by picking plants that provide the highest habitat for wildlife, while being conscious of water conservation and providing defensible space for our homes.

Make a difference! Choose to plant native plants in your yard, garden, business, place of worship, community parks and schoolyards to make your community better for birds and the environment. Native plants provide shelter and food for birds but they also reduce the need for fertilizers and pesticides to improve water quality and mitigate climate change.

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**The plants in this document were chosen for their high environmental impact, drought tolerance, and fire-resistant landscape values.**



## **Why Native Plants Matter**

*Restoring native plant habitat is vital to preserving biodiversity. By creating a native plant garden, each patch of habitat becomes part of a collective effort to nurture and sustain the living landscape for birds and other animals.*

Over the past century, urbanization has taken intact, ecologically productive land and fragmented and transformed it with lawns and exotic ornamental plants. The continental U.S. lost a staggering 150 million acres of habitat and farmland to urban sprawl, and that trend isn't slowing. The modern obsession with highly manicured "perfect" lawns alone has created a green, monoculture carpet across the country that covers over 40 million acres. The human-dominated landscape no longer supports functioning ecosystems, and the remaining isolated natural areas are not large enough to support wildlife.

Native plants are those that occur naturally in a region in which they evolved. They are the ecological basis upon which life depends, including birds and people. Without them and the insects that co-evolved with them, local birds cannot survive. For example, research has shown that native oak trees support over 500 species of caterpillars whereas ginkgos, a commonly planted landscape tree from Asia, host only 5 species of caterpillars. When it takes over 6,000 caterpillars to raise one brood of chickadees, that is a significant difference!

Unfortunately, most of the landscaping plants available in nurseries are alien species from other countries. These exotic plants not only sever the food web, but many have become invasive pests, outcompeting native species and degrading habitat in remaining natural areas.

Landscaping choices have meaningful effects on the populations of birds and the insects they need to survive. The bottom line is this--homeowners, landscapers, and local policy makers can benefit birds and other wildlife by simply selecting native plants when making their landscaping decisions.

**A diversity of native plants yields a diversity of insects and more birds.** All native insects are beneficial, and nibbled leaves means your yard is functioning properly. **96% of our land birds feed insects to chicks; native plants offer a bountiful bird feast.**

Natives host many indigenous herbivorous insects but these plant eaters in turn attract native predators, keeping a balance. In contrast imported non-natives may host non-native pests without predators.





Give birds half a chance in the world where their habitat shrinks daily. Even adding one or two native plants matters. When you plant native plants you help birds and the environment! Planting natives is an immediate and imperative response to climate threat to birds!

### **Benefits of Native Plants:**

#### Low maintenance:

Once established, native plants generally require little maintenance.

#### Beauty:

Many native plants offer beautiful showy flowers, produce abundant colorful fruits and seeds, and brilliant seasonal changes in colors, from the pale, thin greens of early spring, to the vibrant yellows and reds of autumn.

#### Healthy Places for People:

Lawns and the ubiquitous bark-mulched landscapes are notorious for requiring profuse amounts of artificial fertilizers and synthetic chemical pesticides and herbicides. The traditional suburban lawn, on average, has 10x more chemical pesticides per acre than farmland. By choosing native plants for your landscaping, you are not only helping wildlife, but you are creating a healthier place for yourself, your family, and your community.

#### Helping the Climate:

Landscaping with native plants can combat climate change. In addition to the reduced noise and carbon pollution from lawn mower exhaust, many native plants, especially long-living trees like oaks and maples, are effective at storing the greenhouse gas carbon dioxide.

#### Conserving Water:

Because native plants are adapted to local environmental conditions, they require far less water - saving time, money, and perhaps the most valuable natural resource, water.

#### Wildlife

In addition to providing vital habitat for birds, many other species of wildlife benefit as well. The colorful array of butterflies and moths, including the iconic monarch, the swallowtails, tortoiseshells, and beautiful blues, are all dependent on very specific native plant species. Native plants provide nectar for pollinators including hummingbirds, native bees, butterflies,



moths, and bats. They provide protective shelter for many mammals. The native nuts, seeds, and fruits produced by these plants offer essential foods for all forms of wildlife.

**Definitions:**

**Fire-resistant** - Plants whose foliage and stems do not significantly contribute to fuel loading and fire intensity.

Fire resistant plants do not readily ignite from a flame or other ignition sources; however they can be damaged or even killed by fire.

**Drought-tolerant** - Plants that have a relatively low water requirement or are well adapted to a dry climate. Drought-tolerant plants will survive in typical or somewhat less than typical amount of rainfall for your region.

**How to update your landscape with drought-tolerant, native plants that thrive in your area:**

1. Take an inventory prior to landscaping and gardening to assess what is already on site for native plants. Make a list of desirable plants. Remove undesirable plants.
2. Prep your garden spot by removing lawn and invasive plants. Place a layer of flat cardboard over a damp area; cover with compost and wait a couple months. This provides a barren space free from pesticides and ready to plant with native species.
3. Remove knapweed species in particular, which is toxic to many native plants! Wear gloves.
4. Divide well-established perennial plants that already exist in your landscape.
5. Native plants come in a variety of colors, shapes, heights, and textures. Enhance your habitat garden by using a diversity of species. Design for color, seasonal blooms, berries and seeds. Choose plants that bloom at differing times throughout the season to attract pollinators.
6. Cluster same plant species. Hummingbirds especially are attracted to larger patches of wildflowers that are similar. Clustering can save their energy by their not having to fly far to find the next nectar patch.



7. Choose plants that offer a diversity of food sources for birds throughout the season. Select shrubs, flowers and ground covers that produce fruits at different times of the year. For example, serviceberry offers a great summer food source while snowberry fruits persist into early winter. Birds will be attracted to your yard throughout the growing season and into winter.
8. Include both deciduous and conifer trees in your landscape to increase the types of food and shelter available year-round. Fruit trees offer year-round interest: spring blossoms; fall fruit, bare branches in winter.
9. Spacing guides for reducing fire risk: Trees - 30 feet or more so crowns are no closer than 15 feet when mature; Shrubs - 10 feet apart; Ground Cover - 1-3 feet apart.
10. Avoid buying cultivars as they have less value for birds and other wildlife. Cultivars sometimes have blooms inaccessible to pollinators or leaves that are toxic to caterpillars. Avoid plants labeled “ornamentals” as they rarely produce nectar.
11. Never buy plants with neonicotinoids which have detrimental effects to birds and honey-bees. If a commercial plant label reads “no aphids” or “insect free”, it likely has been treated with neonicotinoids.
12. Adding mulch enhances the drought-tolerance of most plants. Use inorganic mulches; rock or gravel mulches are best. Wood chips, lawn clippings and pine needles create a potential fire hazard. If organic mulch or compost is needed, use a small amount immediately around the plant base and surround by gravel or rock mulch.
13. Steward your native plant garden: pull weeds early and often. *Embrace your patch!!* Birds will transport invasives to your yard and garden so learn to identify and remove exotic plants. On the other hand, native weeds might be beneficial.
14. Eliminate the use of pesticides. A mix of insects will create a natural balance.
15. Add habitat features like hollowed boulders that catch rainwater for birds to drink and bathe. Other features such as rock walls will harbor small mammals and insects. Logs strategically placed away from structures can support insect life. Provide fresh water for birds to drink and bathe. Change water often during warmer months.



16. Reduce cleaning up in the Fall. Fallen leaves and spent perennials host many beneficial organisms so leave them in your landscape over winter and spring. Due to fire hazard, these should be removed after nesting season and before fire season.

17. Reduce fuel loading around your home. Clean up and dispose of conifer needles, dry grass and leaves before summer. Get rid of dead shrubs and plants. Trim trees up to a height of 10-15 feet.

18. Avoid using highly flammable woody plants that contain high amounts of oils and resins. Examples include juniper, arborvitae, cheatgrass, rabbitbrush, sagebrush, Russian olive, sumac, cedars, pampas grass and tall grasses.

19. Consider not mowing a far corner patch of lawn during spring nesting season. This will provide cover and beneficial insects for birds during this critical time. Mow in summer after nesting season to reduce fire risk.

### **Watering Tips**

- Drought-tolerant plants can handle dry spells of summer with little to no supplemental water, once established. During the first year or two, these plants will need watered during dry spells. Once established, they will save you time and water.
- A plant's drought-tolerance depends on soil, climate and location, Plants suited to your growing conditions will always give a better show with less care.
- Divide plants into zones according to water needs so ground cover, flower gardens, shrubs and trees can be watered separately and less frequently.
- Water roots directly to reduce evaporation and runoff. Drip irrigation is best for spot watering around perennials, shrubs and permanent plantings. Low volume sprayers are ideal for trees and ground covers. Weave soaker hoses through beds.
- Water for shorter periods of time to avoid runoff and only when needed. Overwatering drought-resistant plants leads to fungus and disease.



**“Join the World’s Largest Bird Sanctuary!”**

**“ Growing a great looking landscape is fun! Creating one that is healthy for people and wildlife is fun and rewarding. With native plants you'll see a whole new variety of birds and butterflies that visit your yard.**

| Drought Tolerant*<br>Native Plants for<br>Birds | Common<br>Name             | Fire**<br>Resistant | Larval<br>Host | Nectar | Berry/<br>Fruit | Seed<br>/Nut | Leaves<br>Buds | Color of<br>flower | Bloom<br>time,<br>numbered<br>months | Available<br>Retail | Benefiting Birds <i>(Italics represent Climate Change Threatened birds in WA)</i>                                                                                                                                                           | Comments                                         |
|-------------------------------------------------|----------------------------|---------------------|----------------|--------|-----------------|--------------|----------------|--------------------|--------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------|
| <b>GROUND<br/>COVERS</b>                        |                            |                     |                |        |                 |              |                |                    |                                      |                     |                                                                                                                                                                                                                                             |                                                  |
| <b>Arctostaphylos<br/>Uva-ursi</b>              | Kinnikinnick               | <b>Y</b>            | Y              |        | Y               |              |                | Pink-<br>white     | 6-9                                  | Y                   | <b>Ruffed Grouse</b> , Fox Sparrow, <b>Evening Grosbeak</b> , Rock Dove                                                                                                                                                                     | Grows well in gardens                            |
| <b>Arctostaphylos<br/>nevadensis</b>            | Pinemat                    | <b>Y</b>            |                |        | Y               |              |                | Pink               | 5-7                                  |                     | <b>Ruffed Grouse</b> , Fox Sparrow, <b>Evening Grosbeak</b> , Rock Dove                                                                                                                                                                     | start from cuttings or<br>rhizomes               |
| <b>Festuca<br/>idahoensis</b>                   | Blue Bunch<br>Idaho Fescue |                     |                |        |                 | Y            |                | n.a.               | 5-7                                  | Y                   | Horned Lark, Western Meadowlark, <b>Pine Siskin</b> , American Tree Sparrow, Lincoln Sparrow, <b>Common RedPoll</b> , <b>Bobolink</b> , American Goldfinch                                                                                  |                                                  |
| <b>Fragaria<br/>virginiana</b>                  | wild strawberry            | <b>Y</b>            |                |        | Y               | Y            |                | Pink-<br>white     | 5-7                                  | Y                   | <b>Western Tanager</b> , Fox Sparrow, Song Sparrow, Spotted Towhee, Western Kingbird, Red Wing Blackbird, <b>Mountain Bluebird</b> , Black-capped Chickadee , <b>Mountain Chickadee</b> , American Robin, Cedar Waxwing, <b>House Finch</b> | Grows well in gardens                            |
| <b>Hordeum<br/>brachyantherum</b>               | Meadow Barley              |                     |                |        |                 | Y            | Y              | n.a.               | 6-8                                  | Y                   | Horned Lark, Western Meadowlark, <b>Bobolink</b> , Song Sparrow, Grasshopper Sparrow, Dark Eyed Junco, California Quail                                                                                                                     |                                                  |
| <b>Hordeum<br/>depressum</b>                    | Dwarf Barley               |                     |                |        |                 | Y            | Y              | n.a.               | 4-6                                  | Y                   | Horned Lark, Western Meadowlark, <b>Bobolink</b> , Song Sparrow, Grasshopper Sparrow, Dark Eyed Junco, California Quail                                                                                                                     |                                                  |
| <b>Hordeum jubatum</b>                          | Fox Tail Barley            |                     |                |        |                 | Y            | Y              | n.a.               | 6-8                                  | Y                   | Horned Lark, Western Meadowlark, <b>Bobolink</b> , Song Sparrow, Grasshopper Sparrow, Dark Eyed Junco, California Quail                                                                                                                     |                                                  |
| <b>Oryzopsis<br/>hymenoides</b>                 | Indian<br>Ricegrass        | <b>Y</b>            |                |        |                 | Y            |                | White              | 5-7                                  | Y                   | Mourning Doves, <b>Brewer's Sparrow</b> , Song and Grasshopper Sparrows, Ring-necked Pheasant                                                                                                                                               | Very beautiful foliage,<br>Grows well in gardens |
| <b>Parthenocissus<br/>inserta</b>               | Thicket<br>Creeper         |                     | Y              |        | Y               |              |                | Green              | 5-7                                  | Y                   | <b>Hairy Woodpecker</b> , Downy Woodpecker, Northern Flicker, Gray Catbird, Black-capped and Chest-backed Chickadees, <b>Mountain Chickadee</b> , <b>Varied Thrush</b> , American Robin                                                     | Important winter food                            |
| <b>Pascopyrum<br/>smithii</b>                   | Western Wheat<br>Grass     |                     |                |        |                 | Y            |                | n.a.               | 6-8                                  | Y                   | Horned Lark, Western Meadowlark, <b>Pine Siskin</b> , American Tree Sparrow, Lincoln Sparrow, <b>Common RedPoll</b> , <b>Bobolink</b> , American Goldfinch                                                                                  |                                                  |
| <b>Phoeniculis<br/>cheiranthoides</b>           | False<br>Daggerpod         |                     |                |        |                 | Y            |                | Pink-<br>purple    | 4-6                                  |                     | Horned Lark, Western Meadowlark, <b>Bobolink</b> , Song Sparrow, Grasshopper Sparrow, Dark Eyed Junco,                                                                                                                                      |                                                  |
| <b>Poa secunda v.<br/>sandbergi</b>             | Sandberg<br>grass          | <b>Y</b>            |                |        |                 | Y            |                | n.a.               | 4-7                                  | Y                   | Horned Lark, Western Meadowlark, <b>Pine Siskin</b> , American Tree Sparrow, Lincoln Sparrow, <b>Common RedPoll</b> , <b>Bobolink</b> , American Goldfinch, California Quail, Mourning Doves                                                |                                                  |
| <b>Pseudoroegneria<br/>spicata</b>              | Bluebunch<br>Wheat Grass   |                     |                |        |                 | Y            |                | n.a.               | 6-8                                  | Y                   | Horned Lark, Western Meadowlark, <b>Pine Siskin</b> , American Tree Sparrow, Lincoln Sparrow, <b>Common RedPoll</b> , <b>Bobolink</b> , American Goldfinch                                                                                  |                                                  |
| <b>Sporobolus<br/>compositus</b>                | Head-Like<br>Dropseed      |                     |                |        |                 | Y            |                | n.a.               | 6-8                                  |                     | Dark Eyed Junco, White-crowned Sparrow, <b>Ruffed Grouse</b>                                                                                                                                                                                |                                                  |
| <b>Sporobolus<br/>cryptandrus</b>               | Sand<br>Dropseed           |                     |                |        |                 | Y            |                | n.a.               | 6-7                                  | Y                   | California Quail, Chukar, Gray Partridge, Ring-necked Pheasant,                                                                                                                                                                             |                                                  |
| <b>Trifolium<br/>macrocephalum</b>              | Large Headed<br>Clover     | <b>Y</b>            |                |        |                 | Y            |                | Pink-<br>white     | 4-6                                  | Y                   | <b>Ruffed Grouse</b> , California Quail, Song Sparrow,                                                                                                                                                                                      |                                                  |
| <b>Veronica<br/>peregriana</b>                  | Neckweed,<br>Purslane      | <b>Y</b>            | Y              |        |                 | Y            | Y              | White              | 4-9                                  |                     | Horned Lark, Western Meadowlark, White-crowned Sparrow, Grasshopper Sparrow, Dark Eyed Junco, California Quail,                                                                                                                             |                                                  |
|                                                 |                            |                     |                |        |                 |              |                |                    |                                      |                     |                                                                                                                                                                                                                                             |                                                  |
| <b>PERENNIALS</b>                               |                            |                     |                |        |                 |              |                |                    |                                      |                     |                                                                                                                                                                                                                                             |                                                  |
| <b>Achillea<br/>millefolium</b>                 | Yarrow                     | <b>y</b>            |                |        |                 | Y            |                | White              | 5-9                                  | Y                   | <b>House, Cassin's and Purple Finches</b> , Song, Grasshopper, White-crowned, American Tree and <b>Brewer's Sparrows</b>                                                                                                                    | can spread easily                                |
| <b>Agastaches<br/>uticifolia</b>                | Hysops                     |                     | Y              |        |                 | Y            |                | Red                | 6-9                                  | Y                   | <b>Rufous and Calliope Hummingbirds</b>                                                                                                                                                                                                     |                                                  |

| Drought Tolerant*<br>Native Plants for Birds | Common Name                    | Fire**<br>Resistant | Larval<br>Host | Nectar | Berry/<br>Fruit | Seed<br>/Nut | Leaves<br>Buds | Color of<br>flower  | Bloom<br>time,<br>numbered<br>months | Available<br>Retail | Benefiting Birds <i>(Italics represent Climate Change Threatened birds in WA)</i>                                                                                                                                                                             | Comments                                                                                            |
|----------------------------------------------|--------------------------------|---------------------|----------------|--------|-----------------|--------------|----------------|---------------------|--------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Allium cerovium</b>                       | Nodding Onion                  | Y                   | Y              | Y      |                 |              |                | Pink Lilac          | 6-8                                  | Y                   | <b>Rufous and Calliope Hummingbirds</b> , Yellow-rumped, Yellow, and <b>Nashville Warblers, Townsend's and Wilson's Warblers</b>                                                                                                                              |                                                                                                     |
| <b>Apocynum cannabinum</b>                   | Indian Hemp                    |                     |                |        |                 | Y            |                | Green               | 6-9                                  |                     | Mourning Doves, California Quail, Tree Sparrow, <b>Black Billed Magpie, White Breasted Nuthatch</b>                                                                                                                                                           |                                                                                                     |
| <b>Aquilegia flavescens</b>                  | Yellow Columbine               | Y                   | Y              | Y      |                 |              |                | yellow              | 5-7                                  | Y                   | <b>Rufous</b> and <b>Calliope Hummingbirds</b> , Dark-eyed Junco, Song, Fox and Chipping Sparrows, <b>House</b> and <b>Cassin's Finches</b>                                                                                                                   | grows best at higher elevation                                                                      |
| <b>Aquilegia formose</b>                     | Crimson Columbine              | Y                   | Y              | Y      |                 |              |                | Red                 | 5-7                                  | Y                   | <b>Rufous and Calliope Hummingbirds</b>                                                                                                                                                                                                                       | grows best at higher elevation                                                                      |
| <b>Asclepias speciosa</b>                    | Showy Milkweed                 | Y                   |                | Y      |                 |              |                | Pink                | 6-8                                  | Y                   | American Goldfinch, <b>Rufous and Calliope Hummingbirds</b>                                                                                                                                                                                                   |                                                                                                     |
| <b>Balsamorhiza careyana</b>                 | Carey's Balsamroot             |                     |                |        |                 | Y            |                | Gold                | 3-7                                  | Y                   | Downy Woodpecker, <b>Hairy Woodpecker, White-winged Crossbill</b> , Black-capped Chickadee, <b>Mountain Chickadee, Red-breasted Nuthatch, White-breasted Nuthatch</b> , Spotted Towhee, Chipping, Fox, Song, Grasshopper, Vesper and <b>Brewer Sparrows</b> , | Doesn't transplant well; start from seed, needs dry summers                                         |
| <b>Balsamorhiza hookeri</b>                  | Hairy Balsamroot               |                     |                |        |                 | Y            |                | Yellow              | 4-6                                  | Y                   | Downy Woodpecker, <b>Hairy Woodpecker, White-winged Crossbill</b> , Black-capped Chickadee, <b>Mountain Chickadee, Red-breasted Nuthatch, White-breasted Nuthatch</b> , Spotted Towhee, Chipping, Fox, Song, Grasshopper, Vesper and <b>Brewer Sparrows</b> , | Doesn't transplant well; start from seed, needs dry summers                                         |
| <b>Balsamorhiza sagittata</b>                | Arrowleaf Balsamroot           |                     |                |        |                 | Y            |                | Yellow              | 4-7                                  | Y                   | Downy Woodpecker, <b>Hairy Woodpecker, White-winged Crossbill</b> , Black-capped Chickadee, <b>Mountain Chickadee, Red-breasted Nuthatch, White-breasted Nuthatch</b> , Spotted Towhee, Chipping, Fox, Song, Grasshopper, Vesper and <b>Brewer Sparrows</b> , | Doesn't transplant well; start from seed, needs dry summers, grows well in gardens once established |
| <b>Campanula rotundifolia</b>                | Bluebell                       |                     | Y              | Y      |                 |              |                | Blue                | 6-9                                  | Y                   | <b>Rufous and Calliope Hummingbirds</b>                                                                                                                                                                                                                       | Good in rock gardens                                                                                |
| <b>Castilleja spp.</b>                       | Indian Paintbrush              |                     |                | Y      |                 |              |                | Red, Yellow         | 5-9                                  | Y                   | <b>Rufous</b> and <b>Calliope Hummingbirds</b>                                                                                                                                                                                                                | Difficult to propagate; must be grown with herbs                                                    |
| <b>Cornus unalaschensis</b>                  | Western Cordilleran Bunchberry | Y                   |                |        | Y               |              |                | White               | 6-8                                  | Y                   | <b>Veery, Ruffed Grouse</b> , White-Crowned Sparrow, Red-eyed Vireo, <b>Varied Thrush</b> , Swainson's Thrush, American Robin                                                                                                                                 | Seeds more successful than transplants                                                              |
| <b>Descurainia incisa</b>                    | Mountain Tansy Mustard         |                     |                |        |                 | Y            |                | Yellow              | 4-6                                  |                     | Yellow-rumped Warbler, White-crowned Sparrow, <b>Pine Siskin</b> , American Goldfinch, <b>Mountain Chickadee</b>                                                                                                                                              |                                                                                                     |
| <b>Erigeron linaris</b>                      | Desert Fleabane                |                     |                |        |                 | Y            |                | yellow              | 5-7                                  | Y                   | Western Meadowlark, Grasshopper Sparrow, American Goldfinch,                                                                                                                                                                                                  | Low growing aster in sage-steppe                                                                    |
| <b>Eriogonum thymoides</b>                   | Thyme-leaved Buckwheat         | Y                   | Y              |        |                 |              |                | Yellow, Pink, White | 4-6                                  | Y                   | <b>Western Tanager</b> , American Robin, Black-capped Chickadee, <b>Mountain Chickadee,, Western and Mountain Bluebirds, Brewer's Blackbird</b>                                                                                                               |                                                                                                     |
| <b>Eriophyllum lanatum</b>                   | Oregon Sunshine                |                     | Y              | Y      |                 | Y            |                | Yellow              | 5-8                                  | Y                   | Black-capped Chickadee, <b>Mountain Chickadee, Brewer's</b> , Grasshopper, and White-crowned Sparrows, <b>White-winged Crossbill, House, Cassin's and Purple Finches</b>                                                                                      | Collect seed from proper habitat                                                                    |
| <b>Epilobium angustifolium</b>               | Fireweed                       | Y                   |                | Y      |                 |              |                | Pink                | 6-7                                  | Y                   | <b>Rufous and Calliope Hummingbirds</b>                                                                                                                                                                                                                       | Can spread easily                                                                                   |
| <b>Gaillardia aristata</b>                   | Great Blanket flower           | Y                   | Y              |        |                 |              |                | Red gold            | 6-9                                  | Y                   | <b>Greater Sage Grouse</b> , Chukar, Gray Partridge, Ring-necked Pheasant,                                                                                                                                                                                    | Showy Daisy-like flower, good for dry sunny borders                                                 |
| <b>Geranium carolinianum</b>                 | Carolina's Cranes Bill         | Y                   |                |        |                 | Y            |                | Pink                | 4-7                                  |                     | Mourning Doves, California Quail                                                                                                                                                                                                                              |                                                                                                     |
| <b>Geranium viscosissimum</b>                | Sticky Geranium                | Y                   |                |        |                 | Y            |                | Pink-purple         | 5-8                                  | Y                   | White-crowned Sparrow, Golden-crowned Sparrow, American Tree Sparrow, Spotted Towhee, <b>House Finch</b>                                                                                                                                                      |                                                                                                     |

| Drought Tolerant*<br>Native Plants for Birds | Common Name                   | Fire**<br>Resistant | Larval Host | Nectar | Berry/<br>Fruit | Seed /Nut | Leaves Buds | Color of flower | Bloom time, numbered months | Available Retail | Benefiting Birds <i>(Italics represent Climate Change Threatened birds in WA)</i>                                                                                                                                                                                                                           | Comments                                                               |
|----------------------------------------------|-------------------------------|---------------------|-------------|--------|-----------------|-----------|-------------|-----------------|-----------------------------|------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| <b>Helianthus annuus</b>                     | Common Sunflower              |                     | Y           |        |                 | Y         |             | Yellow          | 6-9                         | Y                | Downy Woodpecker, <b><i>Hairy Woodpecker, White-winged Crossbill</i></b> , Mourning Dove, Black-capped Chickadee, <b><i>Mountain Chickadee, Red-breasted Nuthatch, White-breasted Nuthatch, Pygmy Nuthatch</i></b> , Song Sparrow, <b><i>Pine Siskin, House Finch, Cassin's Finch, Evening Grosbeak</i></b> |                                                                        |
| <b>Helianthus petiolaris</b>                 | Prairie Sunflower             |                     | Y           |        |                 | Y         |             | Yellow          | 6-9                         |                  | Downy Woodpecker, <b><i>Hairy Woodpecker, White-winged Crossbill</i></b> , Mourning Dove, Black-capped Chickadee, <b><i>Mountain Chickadee, Red-breasted Nuthatch, White-breasted Nuthatch, Pygmy Nuthatch</i></b> , Song Sparrow, <b><i>Pine Siskin, House Finch, Cassin's Finch, Evening Grosbeak</i></b> |                                                                        |
| <b>Heuchera spp</b>                          | Alumroot                      |                     |             | Y      |                 |           |             | Cream           | 4-8                         | Y                | Anna, <b><i>Calliope</i></b> and <b><i>Rufuous Hummingbirds</i></b>                                                                                                                                                                                                                                         | Large variety available                                                |
| <b>Ipomopsis aggregata</b>                   | Scarlet Gilla                 |                     |             | Y      |                 |           |             | Red             | 5-8                         | Y                | <b><i>Rufous Hummingbird</i></b>                                                                                                                                                                                                                                                                            | Short blooms                                                           |
| <b>Layia glandulosa</b>                      | White Tidytops                |                     |             |        |                 | Y         |             | White           | 4-6                         | Y                | Chipping Sparrow, Vesper Sparrow, Lark Sparrow, <b><i>House Finch, Purple Finch</i></b> , American Goldfinch, <b><i>Cassin's Finch, Pine Siskin</i></b> ,                                                                                                                                                   | Favorite food of many songbirds                                        |
| <b>Lilium columbianum</b>                    | Columbian Lily                |                     |             | Y      |                 |           |             | Orange          | 5-8                         |                  | Orange Crown Warbler, <b><i>Rufous and Calliope Hummingbirds</i></b>                                                                                                                                                                                                                                        |                                                                        |
| <b>Linum lewisii</b>                         | Prairie flax                  | Y                   | Y           |        |                 | Y         |             | blue            | 5-6                         | Y                | <b><i>Greater Sage Grouse, Sharp Tail Grouse</i></b> , Gray Partridge, Chukar,                                                                                                                                                                                                                              | Readily re-seeds, grows well in gardens                                |
| <b>Lomatium dissectum</b>                    | Chocolate Tips                |                     |             |        |                 | Y         |             | Green           | 4-6                         | Y                | American Goldfinch, <b><i>Sagebrush Sparrow</i></b> , White-crowned Sparrow, Vesper Sparrow, Western Meadowlark                                                                                                                                                                                             |                                                                        |
| <b>Lupinus iyallii</b>                       | Dwarf lupine                  | Y                   | Y           |        |                 |           |             | Blue            | 5-8                         |                  | <b><i>Rufous and Calliope Hummingbirds</i></b> , Dark-eyed Junco, Song, Fox and Chipping Sparrows, <b><i>House and Cassin's Finches</i></b>                                                                                                                                                                 | Grows best at higher elevations; won't transplant                      |
| <b>Madia citriodora</b>                      | Lemon Scented Tarplant        |                     |             |        |                 | Y         |             | Yellow          | 5-6                         | Y                | American Goldfinch, <b><i>Sagebrush Sparrow</i></b> , White-crowned Sparrow, Vesper Sparrow, Western Meadowlark,                                                                                                                                                                                            | Used for cover. Seeds are highly nutritious                            |
| <b>Madia exigua</b>                          | Little Tarplant               |                     |             |        |                 | Y         |             | Yellow          | 5-6                         |                  | American Goldfinch, <b><i>Sagebrush Sparrow</i></b> , White-crowned Sparrow, Vesper Sparrow, Western Meadowlark,                                                                                                                                                                                            |                                                                        |
| <b>Madia glomerata</b>                       | Mountain Tarplant             |                     |             |        |                 | Y         |             | Yellow          | 7-9                         |                  | American Goldfinch, <b><i>Sagebrush Sparrow</i></b> , White-crowned Sparrow, Vesper Sparrow, Western Meadowlark,                                                                                                                                                                                            |                                                                        |
| <b>Madia gracilis</b>                        | Grassy Tarplant               |                     |             |        |                 | Y         |             | Yellow          | 6-8                         | Y                | American Goldfinch, <b><i>Sagebrush Sparrow</i></b> , White-crowned Sparrow, Vesper Sparrow, Western Meadowlark,                                                                                                                                                                                            |                                                                        |
| <b>Malanthemum racemosum</b>                 | Feathery False Solomon's Seal |                     |             |        | Y               | Y         | Y           | White           | 4-7                         | Y                | <b><i>Ruffed Grouse, Dusky Grouse</i></b> , Golden-crowned Sparrow, White-crowned Sparrow                                                                                                                                                                                                                   | Likes shade                                                            |
| <b>Monardella odoratissima</b>               | Alpine Mountainbalm           |                     |             | Y      |                 | Y         |             | Purple          | 5-8                         | Y                | <b><i>Rufous and Calliope Hummingbirds</i></b> , Orange-crowned Warbler, <b><i>Bullock Oriole</i></b>                                                                                                                                                                                                       |                                                                        |
| <b>Nemophila breviflora</b>                  | Great Basin Baby-Blue-Eyes    |                     | Y           |        |                 |           |             | Lavendar        | 4-7                         | Y                | Yellow-rumped Warbler, White-crowned Sparrow, American Goldfinch, <b><i>Mountain Chickadee</i></b> , Dark-eyed Junco.                                                                                                                                                                                       | Attracts Bees                                                          |
| <b>Oenothera caespitosa</b>                  | Tufted Evening Primrose       | Y                   |             | Y      |                 | Y         |             | White           | 5-7                         | Y                | <b><i>Rufous and Calliope Hummingbirds</i></b> , winter seed eating birds: <b><i>House Finch, Purple Finch, Pine Siskin</i></b> , Dark-eyed Junco, <b><i>Varied Thrush</i></b> ,                                                                                                                            |                                                                        |
| <b>Oenothera pallida</b>                     | White Pole Evening Primrose   | Y                   |             | Y      |                 | Y         |             | White-pink      | 5-7                         | Y                | <b><i>Rufous and Calliope Hummingbirds</i></b>                                                                                                                                                                                                                                                              |                                                                        |
| <b>Opuntia fragilis</b>                      | Pygmy Prickly Pear            |                     |             |        |                 | Y         |             | Yellow          | 5-6                         |                  | Rock Wren                                                                                                                                                                                                                                                                                                   |                                                                        |
| <b>Penstemon species</b>                     | Beardtongue                   | Y                   |             | Y      |                 |           |             | Blue, pink      | 5-7                         | Y                | <b><i>Rufous and Calliope Hummingbirds</i></b>                                                                                                                                                                                                                                                              | Large variety available in seed and transplants; grows well in gardens |

| Drought Tolerant*<br>Native Plants for Birds | Common Name                        | Fire**<br>Resistant | Larval Host | Nectar | Berry/<br>Fruit | Seed<br>/Nut | Leaves<br>Buds | Color of<br>flower | Bloom<br>time,<br>numbered<br>months | Available<br>Retail | Benefiting Birds <i>(Italics represent Climate Change Threatened birds in WA)</i>                                                                                                                                                                                                                                                      | Comments                                                                                           |
|----------------------------------------------|------------------------------------|---------------------|-------------|--------|-----------------|--------------|----------------|--------------------|--------------------------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|
| <b>Ranunculus occidentalis</b>               | Western Buttercup                  |                     |             |        |                 | Y            | Y              | yellow             | 4-5                                  |                     | White-crowned Sparrow, Black-capped Chickadee, <b><i>White-breasted Nuthatch</i></b> ,                                                                                                                                                                                                                                                 | Attracts bees                                                                                      |
| <b>Rudbeckia spp.</b>                        | Black Eye Susan/Western Coneflower |                     | Y           |        |                 |              |                | Yellow, Purple     | 7-10                                 | Y                   | American Goldfinch, Stellar Jay, <b><i>Purple Finch, Cassin's Finch, House Finch, Pine Siskin</i></b> , Black-capped Chickadee                                                                                                                                                                                                         | Large variety available; grows well in gardens                                                     |
| <b>Salvia dorrii</b>                         | Purple Sage                        | Y                   |             |        |                 | Y            |                | Violet             | 5-7                                  | Y                   | Anna, <b><i>Calliope, and Rufous Hummingbirds</i></b>                                                                                                                                                                                                                                                                                  | Pollinators love this. Beautiful blooms, Likes dry summers and cold winters; grows well in gardens |
| <b>Solidago lepida</b>                       | Goldenrod                          |                     |             |        |                 | Y            |                | Yellow             | 7-9                                  | Y                   | American Goldfinch, <b><i>House Finch</i></b> , Spotted Towhee,                                                                                                                                                                                                                                                                        | Root from rhizomes or seed, easily spreads                                                         |
| <b>Sphaeralcea munroana</b>                  | Orange Globemallow                 |                     |             | Y      |                 |              |                | Orange, red, pink  | 5-8                                  | Y                   | Anna, <b><i>Calliope, and Rufous Hummingbirds</i></b> , Orange-crowned Warbler                                                                                                                                                                                                                                                         | Very showy blooms                                                                                  |
| <b>Vicia americana</b>                       | American Purple Vetch              |                     |             |        |                 | Y            |                | Purple             | 6-9                                  | Y                   | California Quail                                                                                                                                                                                                                                                                                                                       |                                                                                                    |
| <b>Wyethia amplexicaulis</b>                 | Northern Mule's Ear                |                     |             |        |                 | Y            |                | Yellow             | 6-7                                  | Y                   | Downy Woodpecker, <b><i>Hairy Woodpeckers, White-winged Crossbill</i></b> , Black-capped Chickadee, <b><i>Mountain Chickadee, White-breasted Nuthatch, Red-breasted Nuthatch</i></b> , Song, Fox, Chipping, White-crowned Sparrows, Black-eyed junco                                                                                   | Seed or rhizome starts, likes dry summers, cold wet winters; grows well in gardens                 |
|                                              |                                    |                     |             |        |                 |              |                |                    |                                      |                     |                                                                                                                                                                                                                                                                                                                                        |                                                                                                    |
| <b>SHRUBS-<br/>EVERGREEN</b>                 |                                    |                     |             |        |                 |              |                |                    |                                      |                     |                                                                                                                                                                                                                                                                                                                                        |                                                                                                    |
| <b>Artemisia tridentata</b>                  | Big Sagebrush                      |                     |             |        |                 | Y            |                | Yellow             | 7-9                                  | Y                   | <b><i>Sage Thrasher</i></b> , California Quail                                                                                                                                                                                                                                                                                         |                                                                                                    |
| <b>Mahonia aquifolium</b>                    | Oregon grape                       | Y                   |             |        | Y               |              |                | yellow             | 3-5                                  | Y                   | American Robin, <b><i>Ruffed Grouse</i></b> , Spotted Towhee, Cedar Waxwing, <b><i>Bohemian Waxwing, Varied Thrush, Hermit Thrush</i></b> , Bushtit                                                                                                                                                                                    |                                                                                                    |
| <b>Mahonia repens</b>                        | Creeping holly                     | Y                   |             |        | Y               |              |                | yellow             | 4-6                                  | Y                   | American Robin, <b><i>Ruffed Grouse</i></b> , Spotted Towhee, Cedar Waxwing, <b><i>Bohemian Waxwing, Varied Thrush, Hermit Thrush</i></b> , Bushtit                                                                                                                                                                                    |                                                                                                    |
| <b>Mahonia nervosa</b>                       | Cascade Oregon Grape               | Y                   |             |        | Y               |              |                | Yellow             | 3-6                                  | Y                   | American Robin, <b><i>Ruffed Grouse</i></b> , Spotted Towhee, Cedar Waxwing, <b><i>Bohemian Waxwing, Varied Thrush, Hermit Thrush</i></b> , Bushtit                                                                                                                                                                                    |                                                                                                    |
|                                              |                                    |                     |             |        |                 |              |                |                    |                                      |                     |                                                                                                                                                                                                                                                                                                                                        |                                                                                                    |
| <b>SHRUBS<br/>DECIDUOUS</b>                  |                                    |                     |             |        |                 |              |                |                    |                                      |                     |                                                                                                                                                                                                                                                                                                                                        |                                                                                                    |
| <b>Acer glabrum</b>                          | Rocky Mtn Maple                    | Y                   | Y           |        |                 | Y            | Y              | Green              | 4-6                                  | Y                   | <b><i>Evening Grosbeak</i></b> , American Goldfinch, <b><i>House and Purple Finches, White-breasted Nuthatch, Red-breasted Nuthatch, Ruffed Grouse, Pine Siskin</i></b>                                                                                                                                                                |                                                                                                    |
| <b>Amelanchier alnifolia</b>                 | Serviceberry                       | Y                   |             |        | Y               | Y            |                | white              | 4-7                                  | Y                   | Northern Flicker, Swainson's Thrush, <b><i>Townsend's Solitaire, Varied Thrush, Hairy Woodpecker</i></b> , Downy Woodpecker, Crow, Spotted Towhee, <b><i>Western and Mountain Bluebird, Western Tanager</i></b> , American Goldfinch, Dark-eyed Junco, Song Sparrow                                                                    | Great fall color, Starts are easiest, seeds take 6 mo.; grows well in gardens once established     |
| <b>Amelanchier cusicki</b>                   | Cusick's Serviceberry              | Y                   |             |        | Y               | Y            |                | White              | 4-7                                  |                     | Northern Flicker, Downy Woodpecker, <b><i>Hairy Woodpecker</i></b> , American Robin, <b><i>Bohemian Waxwings</i></b> , Cedar Waxwing, <b><i>Varied Thrush, Townsend's Solitaire, Evening Grosbeak</i></b> , Black-capped Chickadee, <b><i>Mountain Chickadee</i></b> , Dark-eyed Junco, <b><i>Mountain Bluebird</i></b> , Song Sparrow |                                                                                                    |
| <b>Ceanothus sanguineus</b>                  | Redstem                            | Y                   | Y           |        |                 |              |                | White              | 5-7                                  | Y                   | Spotted Towhee, <b><i>Western Bluebird</i></b> , Olive-sided Flycatcher, <b><i>Nashville Warbler</i></b>                                                                                                                                                                                                                               |                                                                                                    |



| Drought Tolerant*<br>Native Plants for Birds | Common Name               | Fire**<br>Resistant | Larval Host | Nectar | Berry/<br>Fruit | Seed<br>/Nut | Leaves<br>Buds | Color of<br>flower | Bloom<br>time,<br>numbered<br>months | Available<br>Retail | Benefiting Birds <i>(Italics represent Climate Change Threatened birds in WA)</i>                                                                                                                                                                                                                                                                         | Comments                                                                                            |
|----------------------------------------------|---------------------------|---------------------|-------------|--------|-----------------|--------------|----------------|--------------------|--------------------------------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|
| <b>Cornus alba</b>                           | Red Osier                 | Y                   | Y           |        | Y               |              |                | White              | 5-7                                  | Y                   | <b>House and Purple Finches</b> , Cedar Waxwing, Swainson's Thrush, Chestnut-back Chickadee, Red-eyed Vireo, Cassin's Vireo, <b>Townsend's and Wilson Warblers</b> , Yellow and Yellow-rumped Warblers, American Robin, Northern Flicker, <b>Willow Flycatcher</b> , <b>Varied Thrush</b> , <b>Golden-crowned</b> and Ruby-crowned Kinglets               | Need moisture to establish well; great fall and winter color, root branch tips in summer for starts |
| <b>Cornus nuttallii</b>                      | Pacific Flowering Dogwood | Y                   |             |        | Y               |              |                | White-pink         | 4-6                                  | Y                   | American Goldfinch, <b>Purple and House Finches</b> , Cedar Waxwing, American Robin, <b>Red-napped Sapsucker</b> , Tree Swallow, <b>Evening Grosbeak</b> , White-crowned Sparrow, Spotted Towhee, Stellar Jay, Ruby-crowned Kinglet, <b>Golden-crowned Kinglet</b> , Northern Flicker, <b>Varied Thrush</b>                                               |                                                                                                     |
| <b>Corylus cornuta</b>                       | Beaked Hazelnut           |                     | Y           |        |                 | Y            | Y              | White-pink         | 1-3                                  | Y                   | Stellar Jay, Gray Jay, <b>Clarks Nutcracker</b> ,                                                                                                                                                                                                                                                                                                         |                                                                                                     |
| <b>Dasiphora fruticosa</b>                   | Bush cinquefoil           |                     | Y           |        |                 |              |                | Yellow             | 5-8                                  | Y                   | California Quail, <b>Ruffed Grouse</b> , White-crowned, Grasshopper, and Vesper Sparrows, Dark Eyed Junco, Black-capped Chickadee, <b>Red-breasted Nuthatch</b> , <b>White-breasted and Pygmy Nuthatches</b>                                                                                                                                              |                                                                                                     |
| <b>Frangula purshiana</b>                    | Cascara False Buckthorn   |                     | Y           |        |                 | Y            |                | Green              | 4-6                                  | Y                   | Pileated Woodpecker, <b>Hairy Woodpecker</b> , Downy Woodpecker, Northern Flicker, Olive-sided Flycatcher, <b>Western Wood-pewee</b> , <b>Willow Flycatcher</b> , Western Kingbird, <b>Varied Thrush</b> , <b>Hermit Thrush</b>                                                                                                                           |                                                                                                     |
| <b>Holodiscus discolor</b>                   | Oceanspray                | Y                   |             | Y      |                 | Y            |                | white              | 6-8                                  | Y                   | <b>Rufous and Calliope Hummingbirds</b> , Orange Crown Warbler, <b>Bullock Oriole</b> , Bushtits, Black-capped and Chest-backed Chickadees, <b>Mountain Chickadee</b>                                                                                                                                                                                     | Get Eastern WA starts for hardiness                                                                 |
| <b>Philadelphus lewissii</b>                 | Mock Orange               | Y                   | Y           |        |                 |              |                | white              | 5-7                                  | Y                   | <b>Rufous and Calliope Hummingbirds</b> , Dark-eyed Junco, <b>Varied Thrush</b> , <b>Hermit Thrush</b> , <b>Mountain and Western Bluebirds</b> , Black-capped Chickadee, <b>House, and Cassin's Finches</b> , American Goldfinch California Quail                                                                                                         |                                                                                                     |
| <b>Prunus emarginata</b>                     | Bittercherry              | Y                   |             |        | Y               |              | Y              | White              | 4-6                                  | Y                   | <b>Western Tanager</b> , <b>House Finch</b> , <b>Mountain Bluebird</b> , <b>Black-headed Grosbeak</b> , <b>Evening Grosbeak</b> , Northern Flicker, <b>Ruffed Grouse</b> , American Robin, Stellar Jay, Mourning Dove, <b>Pine Siskin</b> , American Goldfinch, Black-capped Chickadee, <b>Mountain Chickadee</b>                                         | Needs moisture,                                                                                     |
| <b>Prunus virginiana</b>                     | Chokecherry               | Y                   | Y           |        | Y               |              | Y              | White              | 5-6                                  | Y                   | Cedar Waxwing, <b>Bullock Oriole</b> , American Robin, <b>Varied Thrush</b> , <b>Ruffed Grouse</b> , Downy Woodpecker, <b>Hairy Woodpecker</b> , Cassin's Vireo. Red-eyed Vireo, <b>Evening Grosbeak</b> , <b>Pine Siskin</b> , American Goldfinch, <b>House Finch</b> , Black-capped Chickadee, <b>Mountain Chickadee</b> , <b>Red-breasted Nuthatch</b> | Lots of berries; grows well in gardens and yards                                                    |
| <b>Rhus glabra</b>                           | Sumac                     | Y                   | Y           |        | Y               |              |                | Yellow             | 4-7                                  | Y                   | American Robin, <b>Evening Grosbeak</b> , Song Sparrow, White-crowned Sparrow, <b>House Finch</b> , Black-capped Chickadee, <b>Mountain Chickadee</b> , Northern Flicker, Ruby-crowned Kinglet, <b>Golden-crowned Kinglet</b>                                                                                                                             | Spread easily                                                                                       |
| <b>Ribes species</b>                         | Currant                   | Y                   | Y           |        | Y               | Y            |                | Pink               | 3-7                                  | Y                   | Gray Catbird, Swainson Thrush, <b>Hermit Thrush</b> , Northern Flicker, <b>Western Bluebird</b> , American Robin, <b>Varied Thrush</b> ,                                                                                                                                                                                                                  | Grows well in gardens                                                                               |
| <b>Rosa nutkana</b>                          | Nootka Rose               | Y                   |             |        | Y               |              |                | Rose               | 5-7                                  | Y                   | <b>Bohemian Waxwing</b> , Cedar Waxwing, <b>Ruffed Grouse</b> , <b>Mountain and Western Bluebirds</b> , Dark-eyed Junco, <b>Black-headed Grosbeak</b> , <b>Hermit Thrush</b> , <b>Varied Thrush</b>                                                                                                                                                       | Can spread easily                                                                                   |
| <b>Rosa gymnocarpa</b>                       | Bald Hip Rose             | Y                   |             |        | Y               |              |                | Pink               | 5-7                                  | Y                   | <b>Bohemian Waxwing</b> , Cedar Waxwing, <b>Ruffed Grouse</b> , <b>Mountain and Western Bluebirds</b> , Dark-eyed Junco, <b>Black-headed Grosbeak</b> , <b>Hermit Thrush</b> , <b>Varied Thrush</b>                                                                                                                                                       | Can spread easily                                                                                   |
| <b>Rosa woodsii</b>                          | Wood's rose               | Y                   | Y           |        | Y               |              |                | Rose               | 5-7                                  | Y                   | <b>Bohemian Waxwing</b> , Cedar Waxwing, <b>Ruffed Grouse</b> , <b>Mountain and Western Bluebirds</b> , Dark-eyed Junco, <b>Black-headed Grosbeak</b> , <b>Hermit Thrush</b> , <b>Varied Thrush</b>                                                                                                                                                       | Spreads rapidly, profuse blooms                                                                     |
| <b>Rubus parviflorus</b>                     | Western Thimbleberry      |                     | Y           |        | Y               | Y            |                | White              | 5-7                                  | Y                   | <b>Western Tanager</b> , Fox Sparrow, Spotted Towhee, Western Kingbird, Red Wing Blackbird, <b>Mountain Bluebird</b> , <b>Mountain Chickadees</b> , House and Winter Wren                                                                                                                                                                                 |                                                                                                     |
| <b>Salix lasiandra</b>                       | Pacific Willow            | Y                   |             |        |                 | Y            | Y              | Yellow             | 3-6                                  | Y                   | <b>Willow Flycatcher</b> , House and Winter Wrens, <b>Golden-crowned</b> and Ruby-crowned Kinglets, <b>Pine Grosbeak</b> , <b>Evening Grosbeak</b> , <b>Common Redpoll</b> , MacGillvrays Warbler, <b>Wilson Warblers</b> , American Tree Sparrow, <b>Ruffed Grouse</b> , <b>Pine Siskin</b>                                                              |                                                                                                     |
| <b>Salix scouleriana</b>                     | Scouler's Willow          | Y                   | Y           |        |                 | Y            | Y              | Green              | 3-6                                  | Y                   | <b>Willow Flycatcher</b> , House and Winter Wrens, <b>Golden-crowned Kinglet</b> , Ruby Crown Kinglets, <b>Pine Grosbeak</b> , <b>Evening Grosbeak</b> , <b>Common Redpoll</b> , MacGillvrays Warbler, <b>Wilson Warblers</b> , American Tree Sparrow, <b>Ruffed Grouse</b> , <b>Pine Siskin</b>                                                          |                                                                                                     |

## DEFINITIONS

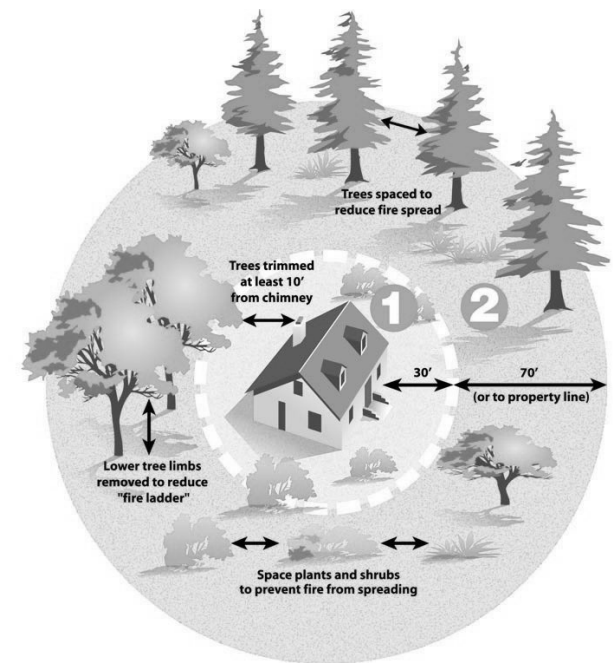


- Water in the morning, between 5 and 10 a.m. when temperatures are low and winds are calm. Or water on a cloudy day.
- Add mulch (inorganic is best). Mulch is effective to capture moisture and allowing it to soak in evenly into the soil. Mulch conserves water by keeping soil cooler, moisture levels consistent, and reduces surface evaporation. In addition, mulch prevent weeds from growing.
- Enrich soil with organic matter to encourage deeper roots and increase water holding capacity of any soil.
- Pay attention to the microclimate. South and west exposures dry out quickly, as do areas near paved surfaces. These zones are better suited for the most drought-tolerant plants.
- Only water things that grow, not sidewalks and driveways. Position sprinklers to minimize waste and adjust them for wind drift.
- Healthy plants get by on less water than those that are stressed. Timely weeding keeps plants healthy.

### **Firewise Landscaping to Protect Homes and Preserve Birds**

- Firewise landscaping allows plants and gardens to reveal natural beauty by leaving space between individual and groups of plants and trees. It *does not* exclude good bird habitat. By using drought-tolerant and fire-resistant plants around your property, birds and homes can safely co-exist.
- Fuel reduction doesn't mean clearcutting of all trees and shrubs in your yard. It does make the area safer for firefighters to defend the home. Its primary goal is to limit flammable vegetation.
- Fuel is key to the fire environment. Dead and dried plant material such as dry-grass, branches, and pine needles are fuel as well as living plants. Moisture content and arrangement of fuels influence fire intensity. Fire fighting personnel evaluate and prioritize whether houses can be saved or not. Understanding what factors create a high-risk fire environment can enable homeowners to reduce fire danger, and risk (while reducing water usage and benefiting birds).

- Take proactive steps to increase the chance your home will withstand a wildfire. Homes are at risk if there are continuous fuels that can burn right up to the house.
  - Create barriers with use of driveways, paths and masonry walls to slow down fire advances.
  - Provide a water source - good for birds and wildlife and serves as a source for firefighting.
  - Use inorganic mulches; rock or gravel mulches are best. Wood chips, lawn clippings and pine needles create a potential fire hazard.
  - Create a greenbelt for defensible space 100 feet wide using fire resistant native plants, rock gardens and lawn. Eastern Washington is suitable for the following low growing native grasses: blue bunchgrass, Indian ricegrass and Sandberg grass.
- **Zone 1:** This area encircles the structure for at least 30 feet on all sides including decks and fences, and provides space for fire suppression equipment in the event of an emergency. Within 5 feet of house use rock, pavers and fire-resistant perennials. Up to 30 feet from house - plants should be limited to carefully spaced plantings that are low growing and fire resistant. Lawns should be well maintained and mowed. Plantings should be limited to carefully-spaced low flammability species. Non-flammable mulch should be considered. Prune trees that overhang roofs to above the roofline and all other trees to at least 10 feet from the ground.
- **Zone 2:** This area encircles 30 – 100 feet from the home. Low flammability plant materials should be used here. Plants should be low-growing and any irrigation system should extend into this section. Shrubs and trees should be limbed up and spaced to prevent crowns of trees from touching. A mix of deciduous and conifer trees is best as most deciduous trees do not support high-intensity fire while a mix offers diversity of food and cover for birds and wildlife. Plant shrubs free of resins, oils, and waxes. Use driveways, walkways and lawn as fuel breaks.
- **Zone 3:** This area encompasses 100 – 200 feet from the home. Remove heavy accumulations of woody debris. Remove small conifers growing between taller trees. Place low-growing plants and well-spaced trees in this area, remembering to keep the volume of vegetation (fuel) low.





## **NATIVE PLANT NURSERIES AND INFORMATION SOURCES**

### **Washington Nurseries**

BFI Seeds  
Moses Lake, WA  
<http://bfinativeseeds.com>

Plants of the Wild  
Tekoa, WA  
<http://plantsofthewild.com>

Derby Canyon Natives  
Peshastin, WA  
<http://derbycanyonnatives.com>

Sound Native Plants  
Olympia, WA  
<http://soundnativeplants.com>

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### **Out of State Nurseries**

Clifty View Nursery  
Bonners Ferry, ID  
<http://cliftyview.com>

Seven Oaks Nursery  
Albany, OR  
<http://sevenoaksnativenursery.com>

S & S Seeds  
Carpinteria, CA  
<http://ssseeds.com>

Sunshine Flower Seeds  
San Luis Obispo, CA  
<http://sunshineflowerseeds.com>

High Country Gardens  
Santa Fe, NM  
<http://highcountrygardens.com>

Territorial Seed Company  
Cottage Grove, OR  
<http://territorialseed.com>

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### **Credits**

Cover - Mt. Chickadee, Gray Catbird, Spotted Towhee, Willow Flycatcher, Bunchberry by Cricket Webb

Inside - Mountain Bluebird, Rufous Hummingbird, Pine Siskin, Black-headed Grosbeak by Cricket Webb

Indian Paintbrush, Arrowleaf Balsamroot, Oregon Grape, Tidytops, Hyssops by Judy Hallisey

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**Fighting climate change is a big challenge.**

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***Talk to your friends, family, neighbors, and
representatives ...***

and grow native plants!



Blanket Flower



Common Sunflower



White Tidytip



Hyssop



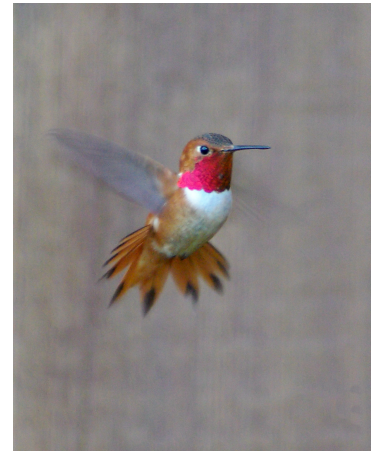
Pine Siskin



Black-headed Grosbeak



Mountain Bluebird



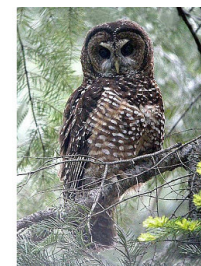
Rufous Hummingbird

Bird safety:

- Keep cats indoors
 - Birds can't see clear glass. Use a high tech liquid to coat glass to reflect ultraviolet sunlight. Or use fine netting over windows. Regular window screens work too.
 - Apply decals on the outside of windows and glass doors. Pattern and spacing matters! Place at a 4 inch spacing on the vertical or 2 inches horizontally.
 - Homes cause more bird strikes than high-rise buildings due to the sheer number of more homes.
 - Feeders placed closer than 1.5 feet from glass or over 30 feet from your home lessen the chance of bird strikes.
-

The mission of the Kittitas Audubon is to develop an appreciation of nature through education and conservation with a focus on birds.

**Kittitas
Audubon
Society**



Kittitas County

**Master Gardener
Program**

WASHINGTON STATE UNIVERSITY
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