Bird Gardening

William T. Kemper Center for Home Gardening



Birds are some of the most recognizable and beloved garden visitors. They are vivacious, exhibiting unique behaviors and vocalizations. They are also beautiful, varied in their size, shape, and color. Birds provide a natural form of pest control by eating huge quantities of insects. Birds also perform an essential service to plants by dispersing their seeds over wide areas.

The loss or replacement of native vegetation to development, agriculture and the introduction of exotic species has threatened many of our bird populations. Including more bird-friendly plants and features in your landscape could help declining bird populations recover.

Designing the Bird Garden

The ideal bird garden will provide birds with a wide variety of the resources they need such as food, water, shelter and nesting sites. Including a diverse mix of vegetation types will in turn attract a more diverse array of bird species. Plants are a very important habitat element. They are a source of food for many birds, and in some cases they even provide energy sources and moisture in the form of sap or nectar. Living and decomposing plants attract many insects, which compose a large part of the diet of some birds. Plants also provide shelter and comfortable nesting sites, protecting birds from unfavorable weather and predators.

Generally, a multi-leveled planting design is recommended as each bird species has a particular preference for the elevation at which they feed and nest. Varying levels can be accomplished by planting tall and understory trees, spreading shrubs, native grasses and a few bird-attractive annuals and perennials. Consider including evergreen shrubs and trees in your

planting plan. In addition to their value as a food source in winter, they offer year-round cover from the weather as well as providing birds with secluded nesting sites. Scrubby hedge rows are also very important to some birds. They provide shelter from predators and weather extremes and, depending on the species, can be a good source of fruits and insects.

Leaving some of the leaf litter beneath bushes, trees and shrubs will give ground feeders such as thrashers, thrushes and sparrows an ideal place to feed. The decomposing leaves will also help enrich your soil. Brush piles are also attractive to ground feeding birds.

Food

Most birds will utilize different food sources depending on abundance and the time of year. A few of the most common sources of food for birds are fruits, seeds, nuts, and insects. American robins are a classic example of this behavior, eating mostly earthworms and other insects in the spring and summer and switching

over to berries and other fruits in the winter. To attract more birds to your landscape, choose a wide variety of plants that set fruit at different times of year. Eliminating pesticide use will also help make your landscape as bird-friendly as possible.

Commercial bird seed is a convenient source of food for birds. Other foods you can offer include fresh fruits and berries, nuts, peanut butter, mealworms, and suet. Monitor closely for signs of spoilage especially in the warmer months. Placing feeders in the shade can help slow spoiling. Spoiled food can put birds' health at risk and attract rodents. Set out only enough food for a few days and clean feeders regularly to avoid the spread of disease.

Many styles of bird feeders are commercially available. Be certain that the feeder you choose is designed for the food you plan to offer. Squirrels are a particular nuisance at bird feeders. There are a number of predator guards designed to keep pests away from your feeders.

Water

Birds can obtain much of the water they require in their food, but all species need a reliable source for bathing and drinking. Adding water to your garden may be as simple as placing a trash can lid on the ground or as elaborate as building an in-ground pond with water features. Gently moving, dripping, or bubbling water is highly attractive to birds. As with feeders, birdbaths should ideally be placed in the shade near shelter where the birds feel safe, but at such a distance that they may flee from their predators.

Birds often have to travel many miles in search of water in winter when most bodies of water are frozen. Concrete, terra cotta, and ceramic birdbaths crack easily in freezing temperatures. Plastic, metal, or resin are better choices for a winter birdbath. An immersion heater can be used to help keep the water from freezing. Fully integrated heated birdbaths are also available.

Shelter and Nesting

To a bird, shelter can mean anything from a place to escape from predators and bad weather to a place to nest and raise young. Plants that provide good sheltering sites are evergreen and densely branched trees and shrubs, as well as ornamental grasses with arching growth habits. Thorny shrubs also make excellent shelter and nesting habitat since the thorns can deter predators.

Providing nesting materials can be a great enticement to birds. Most birds will use animal hair, straw, feathers, bits of string and yarn or other stringy material. These materials should measure four to five inches; longer pieces could entangle birds. Nesting materials should be offered in concentrated, readily-obtainable piles to reduce the time a bird spends searching. Nesting materials may be placed near the base of shrubs or feeders. They can be placed in empty suet feeders and wire baskets suspended from trees for easy access. Do not place nesting materials directly into birdhouses, because it will look as if it is already occupied.

About fifty species of North American birds use birdhouses for nesting, and a wide variety of birdhouses are available for purchase, either preassembled or as a kit. Plans are also available to build your own. Regardless of which you choose, make sure the birdhouse is designed and built for the particular species of bird you wish to attract.

Resources

Online resources with more information on birds and bird gardening:

- Plants for Birds from the National Audubon Society
- All About Birds and NestWatch from the Cornell Lab of Ornithology

Annuals

Scientific NameCommon NameUsesAmaranthus spp.amaranthSeedCalibrachoa (group)million bellsNectarCoreopsis tinctoriaplains coreopsisSeed

Helianthus annuuscommon sunflowerSeed, InsectsLantana camaralantanaNectarSalvia splendensscarlet sageNectarSalvia guaraniticaanise-scented sageNectarTaggetes sppmarigoldNectar

Salvia splendens scarlet sage Nectar
Salvia guaranitica anise-scented sage Nectar
Tagetes spp. marigold Nectar
Tropaeolum (group) nasturtium Nectar
Pennisetum glaucum pearl millet Seed
Pentas lanceolata Egyptian star flower Nectar
Petunia (group) petunia Nectar

Tithonia rotundifolia Mexican sunflower Nectar, Seed

Verbena spp. verbena Nectar

Zinnia (group) zinnia Nectar, Seed

Perennials

Scientific NameCommon NameUsesAquilegia canadensiscolumbineNectar

Asclepias tuberosa butterfly weed Nectar, Insects
Asclepias incarnata swamp milkweed Nectar, Insects

Coreopsis tripteristickseedSeedDigitalis purpureacommon foxgloveNectar

Dianthus barbatussweet WilliamNectar, SeedEchinacea purpureapurple coneflowerSeed, Insects

Geranium maculatum wild geranium Seed

Heliopsis helianthoides oxeye sunflower Seed, Insects

Heuchera sanguinea coral bells Nectar

Hibiscus coccineus scarlet rose mallow Nectar, Insects

Hosta spp. hosta Nectar

Liatris spp. blazing star Nectar, Seed

Lilium superbumTurkscap lilyNectarLobelia cardinaliscardinal flowerNectarMonarda bradburianaeastern beebalmNectarPenstemon digitalisbeardtongueNectarPhlox paniculatagarden phloxNectar

Rudbeckia spp. black-eyed Susan Seed, Insects Solidago spp. goldenrod Seed, Insects

Spigelia marilandica Indian pink Nectar

Shrubs

Aesculus paviared buckeyeNectar, Shelter, NestingAronia melanocarpablack chokeberryFruit, Insects, Shelter

Callicarpa americana beautyberry Fruit, Shelter

Cornus racemosagray dogwoodFruit, Shelter, NestingCorylus americanaAmerican hazelnutSeed, Insects, Shelter

Euonymus atropurpureus eastern wahoo Fruit, Shelter

Hamamelis spp. witch hazel Seed, Insects, Shelter, Nesting

Ilex decidua possumhaw Fruit, Shelter, Nesting

Ilex verticillatawinterberryFruit, ShelterIlex \times meserveaeblue hollyFruit, Shelter

Juniperus spp. juniper Fruit, Shelter, Nesting Lindera benzoin spice bush Fruit, Insects, Shelter Myrica pensylvanica bayberry Fruit, Shelter, Nesting Ribes missouriense. Missouri gooseberry Fruit, Insects, Shelter Fruit, Insects, Shelter Rosa rugosa rugosa rose Fruit, Insects, Shelter Rosa setigera prairie rose Rhus glabra smooth sumac Fruit, Insects, Shelter Rhus typhina staghorn sumac Fruit, Insects, Shelter

Rubus spp. blackberries, raspberries Fruit, Shelter Sambucus canadensis American black elderberry Fruit, Shelter

Salix humilisprairie willowInsects, Shelter, Nesting $Taxus \times media$ yewFruit, Shelter, NestingViburnum spp.viburnumFruit, Shelter, Nesting

Woody Ground Covers

Scientific Name Common Name Uses

Cotoneaster adpressus creeping cotoneaster Fruit, Shelter

Rhus aromatica 'Gro-Low' fragrant sumac Fruit, Insects, Shelter Symphoricarpos orbiculatus coralberry Fruit, Insects, Shelter

Ornamental Grasses

Scientific Name Common Name Uses

Schizachyrium scoparium little bluestem Seed, Shelter

Bouteloua curtipendulasideoats gramaSeedCarex cherokeensisCherokee sedgeShelterChasmanthium latifoliumnorthern sea oatsSeedDeschampsia cespitosatufted hair grassSeed

Panicum virgatumswitch grassSeed, ShelterSorghastrum nutansIndian grassSeed, ShelterSporobolus heterolepisprairie dropseedSeed, Shelter

Trees

<u>Scientific Name</u> <u>Common Name</u> <u>Uses</u> <u>Acer rubrum</u> red maple Seed,

Acer rubrumred mapleSeed, Insects, Shelter, NestingAmelanchier spp.serviceberryFruit, Insects, Shelter, NestingCeltis occidentalishackberryFruit, Insects, Shelter, NestingCercis canadensisredbudSeed, Insects, Shelter, Nesting

Cornus floridaflowering dogwoodFruit, ShelterCrataegus spp.hawthornFruit, Shelter, NestingDiospyros virginianapersimmonFruit, Shelter, Nesting

Liriodendron tulipifera tulip tree Nectar, Seed, Insects, Shelter, Nesting

Malus spp.crabappleFruit, Insects Shelter, NestingMorus rubrared mulberryFruit, Shelter, Nesting

Nyssa sylvatica black gum Fruit, Insects, Shelter, Nesting

Picea abiesNorway spruceSeed, Shelter, NestingPinus nigraAustrian pineSeed, Shelter, NestingPinus strobuseastern white pineSeed, Shelter, NestingPrunus serotinablack cherryFruit, Shelter, NestingPrunus virginianachokecherryFruit, Shelter, Nesting

Quercus spp.oakSeed, Insects, Shelter, NestingTilia americanaAmerican lindenFruit, Insects, Shelter, Nesting

Thuja occidentalis American arborvitae Shelter, Nesting

Vines

Scientific Name Common Name Uses

Celastrus scandensAmerican bittersweetFruit, Insects, ShelterIpomoea lobataSpanish flagNectar

Lonicera sempervirens trumpet honeysuckle Nectar, Insects, Shelter,

Parthenocissus quinquefoliaVirginia creeperFruit, Insects, ShelterVitis aestivalissummer grapeFruit, Insects, Shelter

Wisteria frutescens American wisteria Insects, Shelter