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Their Selection, Planting, and Care


## ROSES

## Their Selection,

 PLaNting, and CARERoses have long been the mos oved flowering shrubs in home gardens. Indeed, they are popularly eferred to as the queen of flowers. A few simple steps will help to ensure that your roses grow and lower well and are worthy of their noble title.

## Selection

Roses have an undeserved eputation as temperamental plants equiring enormous amounts of care. Rather, roses are easy to grow nd have very few pest problems if dapted varieties are selected and roperly situated in the garden or andscape. There are many types of oses available to fit most landscap situations in the home garden. The wo broad categories are garden oses and landscape roses. Garden oses include the well known hybrid eas, floribundas, grandifloras, and limbers, and are planted mostly for heir flowers. The main garden roses include the following:

Hybrid Teas-They are the most mmon roses in home gardens oday. They form a shrub three to five feet tall with large, mostly ingle but spectacular flowers
Horibundas-These have smaller wers borne more profusely in lowers borne more profusely in lusters Many of today's newer varieties resemble hybrid teas
Grandifloras Intermediate
Grandifloras-Intermediate between the hybrid teas and oribundas, they combine the large lowers of hybrid teas with the creased bloom production of floribundas and have long stems on a vigorous shrub five to eigh eet tall.
dimbers-They have flexible
stems to 20 feet long or more and need support on a structure, such as a wall, fence, trellis, espalier
pergola, or arbor.
Landscape roses, sometimes called shrub roses, are varieties developed for use as general landscape plants, and offer several advantages. They possess glossy green leaves, have few thorns, require little pruning and disease and pest control, are well suited for low maintenance landscapes low maintenance landscapes, ncluding drip irrigation, and do not pequ fall away deanly. Growince petals fall away cleanly. Growing rerted landscape roses flower or grafted, landscape roses flower throughout the year with greatest bloom in mid-spring and early autumn

Some other kinds of roses include the miniatures and English garden types. Miniatures make good container plants. English roses and certain older varieties have more fragrance than some newer varieties but might not bloom as profusely.

Consider some of the AllAmerican Rose Selections (AARS) Roses earn this award after two-to three-year evaluations in test gardens around the country. AARS designation means these roses are often more disease resistant and have sturdy growth and excentiona flowers. When selecting plants, look for disease-resistant varieties.
Roses require protection from ind and need high light to be wind and need high light to be healthy and perform best, so pick a with-protected place in your garden with full sun all day near the coas or with late afternoon shade in hot inland areas. Space roses so there is room to move and work between plants. Do not crowd them since plants need good air movement for disease prevention. Soil should be well drained but still retain water. Clay and sandy soils are okay but
watering must be adjusted, heavie and infrequent on clay and lighter but frequent on sandy soils. If you have companion plants, choose ones with the same or similar light, soil, and water requirements as roses. Bark mulch or wood chips help to retain soil moisture

Place roses where their
splendid, colorful flowers can be admired from the house. Roses serve double duty in the garden serve double duty in the garden and landscape as providers of cut lowers of legendary quality. The landscape roses furm the sam garden and landscape roles as most owering borders foreground as flowering borders, foreground plants, barriers, groundcovers, and even as informal hedges. They are unusually effective when massed, such as in a formal or informal rose garden. Of course, a single, solitary plant with spectacular flowers and without competing plants is an unsurpassed accent or specimen. Miniature roses make fine potted specimens, which can be positioned around the garden or patio as needed

Planting
Roses are available at the nursery or garden center as either packaged or unpackaged, bare-root, dormant plants in the winter and early spring or as containerized plants year round. Avoid selecting packaged plants kept in a warm packaged plan kept nursery; the sunny location at the nursery; they weak, premature shoot growth. weak, premature shoot growth. Bare-root plants are usually less expensive, require less care, are easier to handie and plant, and offer a much wider selection of types and varieties. Containerized plants are more expensive but offer the benefit of one being able to see exactly what the flowers are like if purchased during the blooming period. Also, containerized roses
an add instant color to the garden nd are useful if one desires an nstant full-sized plant to fill in an xisting gap in the garden or landscape. However, most roses do not thrive in containers so plants potted he current year are preferred to hose carried over from previous years.
Plant bare-root roses the same ay they are purchased. They can be stored up to seven days if left in cool place and roots are kept moist. Dig a hole large enough to spread the roots evenly without prumpling them Mound a firm cumpling them. Mound a the and spread the roots or the hole nd spread the roots over the cone aking care to keep the bud union four inches above the soil line Backiill around the roots with unamended soil originally taken from the hole. Settle the soil by nserting a hose and flooding the backfill. Form a watering basin hree to four inches high and about hree feet diameter around the plant or place a drip emitter about six nches from the stem. Spread a wo-inch layer of mulch in the basin and water thoroughly. For containerized roses select a plant in at least a three-gallon-size container. Dig a hole twice as wide but the same depth as the root ball. Carefully remove the plant from the ontainer and place it in the center the hole Continue planting as ou would for bare root plants.

## PruNing

In most cases prune roses in January. For garden roses like hybrid teas, floribundas, and grandifloras, cut out all weak diseased, and dead stems (canes) and those crossing over others or arising from below the bud union. Leave 6-10 canes evenly spaced in a circle around the plant and growing toward the outside, keeping the middle open to form a vase-shaped
structure. Out back these remaining stems or canes, leaving about 1/3$2 / 3$ the previous year's growth. Removing more growth gives fewer, larger flowers on longer stems, while removing less growth retains plant size. Make the cut at an outward-facing leaf or bud. Begin each cut about $1 / 8$ inch above the bud or leaf and angle it downward at $45^{\circ}$ toward the inside of the cane.

Cimbing roses should not be pruned for two to three years after planting, allowing them to become well establish plants. At that time select six, well spaced, horizontal, spreading canes and tie them to the support. Remove all remaining canes and any coming from below the bud union. Subsequent annual pruning each January consists of removing only those old and unproductive canes, adding two or three new, main canes to replace those removed. Howers form on short laterals or spurs arising from the main canes. aut these back to three buds at annual pruning. Prune strictly spring-flowering climbers afte flowering ends, not in January.

Landscape or shrub type roses require less detailed pruning; prune them mainly to shape and control size. Groundcover roses should only be pruned to remove upright branches.

After pruning rake up and discard old leaves, twigs, and stems, and spray plants and soil with a dormant spray of oil or lime-sulfur if pests or diseases are problems. Reapply mulch if necessary.

## General Care

Roses flower on new growth, which occurs in cyclical flushes throughout the growing season from about March through November. Each cycle begins with a flush of new growth and ends
with a flush of blooms. Instead of ne or two heavy applications of rer during the growing season, make several light applications, timing them just prior to each new flush of growth. Use a fertilizer with an N-P-K ratio of 3-1-3 or 3-1-2 (for example 12-4-12 or 11-4-8. The total amount of fertilizer applied during the growing season should not exceed the recommended yearly amount.

Water during the growing seaso by flooding the basin with one to two inches of water or using drip or bubbler systems to water when the soil is dry one inch deep. Avoid frequently wetting the leaves to reduce diseases. However, occa sional washing of leaves with a sional washing of leaves with a strong spray of water can reduce spider mites, a common pest in warm inland areas, and aphids. Wash leaves early in the morning so they can dry by nightfall. When cutting or removing flowers, cut back far enough to remove at least three leaves and to an outside leaf or bud, while still leaving at least two leaves with five leaflets on the cane. Regularly inspect plants for pests, such as aphids, spider mites, and thrips, and diseases, such as powdery mildew, rust, and black powdet.

Ask your nursery or garden center professional for additiona information and assistance about roses and their care

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