



Want beautiful roses like these? Follow instructions for proper pruning and you will be on your way.

Pruning Roses

HGIC 1173

Pruning is an important and necessary step in growing roses. Pruning keeps the plant healthy. It promotes new growth, removes dead, broken or diseased canes and trains roses to a desired shape. Pruning encourages flowering, either more blooms or larger blooms, and is essential to keep modern rose varieties blooming repeatedly all summer long.

When to Prune

Roses need different types and timing of pruning depending on their variety. Repeat blooming roses such as floribunda and hybrid tea roses need a heavy annual pruning that is done in the spring, just as the buds break dormancy. This could be mid-to late February near the coast to mid-April in the mountains. The best way to judge when to prune is to look at the buds; when they begin to swell, go ahead and prune.

Old-fashioned roses and climbers that bloom only once a year should be pruned immediately after flowering. Do not prune these types of roses heavily in the early spring since they bloom on wood from the previous year's growth.

Dead, diseased or damaged wood on any rose should be removed as soon as it is seen.

Pruning Techniques

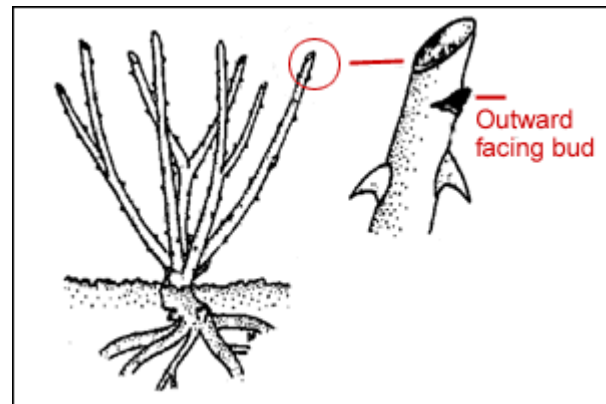


Certain pruning techniques are appropriate for all roses. Following this section on general rose pruning, you will find instructions for specific types of roses.

To prune roses you will need sharp pruning shears; long-handled lopping shears; and a pruning saw for any large, heavy, old stems. Bypass pruners (they cut like a pair of scissors) are much better for pruning roses than anvil-type pruners. Anvil pruners tend to crush the stems. Leather gloves will help protect your hands.

The first step in pruning roses is the same for all rose types. Remove all dead, damaged or weak stems leaving only the most vigorous, healthy canes.

When pruning, check to make sure the stems show no sign of discoloration. The center of the canes (rose stems) should be white and plump, not brown and withered. If they appear diseased, you will need to cut farther down into healthy wood. If no live buds remain, remove the entire cane. Dip your pruning shears periodically in a 70 percent alcohol solution to avoid spreading diseases.



Prune the bush to make it more open in the center. This will increase air circulation and help prevent diseases. Since rose bushes send out new growth from the bud just below a pruning cut, try to make pruning cuts above a leaf bud facing out from the center of the plant. Make a cut $\frac{1}{4}$ inch above the bud and angled at the same angle as the bud. Whenever two canes cross each other, one can be removed.

Deadheading is cutting off faded old flowers. Old blooms left on the plant may begin to form hips (rose fruit). Hips are often very attractive and can be left on some roses for winter interest and bird food. Hybrid tea roses and

other roses that can rebloom should not be allowed to form hips, so that the plant will put its energy into flowering.

To deadhead, remove the flower by making a diagonal cut just above the next five or seven-leaf branch down on the stem. This should be above a strong bud that will produce a healthy cane.

All pruning cuts on canes greater than the thickness of a pencil should be sealed with nail polish or wood glue to prevent cane borers from entering.

Pruning Different Types of Roses

Prune weak-growing varieties lightly and vigorous varieties more severely. Prune first-year plants lightly to allow them to put more energy into establishing a strong root system.

Hybrid Teas, Floribundas and Grandifloras: Modern reblooming roses are pruned in the early spring just as the buds begin to swell. Prune hard if you want large blooms suitable for cut flowers. This will produce fewer total blooms. In the spring, cut out all but three to five of the healthiest, most vigorous canes. Prune these canes down to 15 to 18 inches from ground level.

Keep any weak, small or short stems pruned away. Generally with hybrid teas, any cane thinner than a pencil should be removed.

In the late fall, prune roses back by about one-third of their height. This helps prevent breaking of canes in winter winds.

Climbing Roses: Old-fashioned rambling roses and one-time spring-blooming climbers produce best shoots growing off one-year-old wood, and they should not be pruned until after they flower.

Cut away all weak or damaged stems and remove the oldest canes, leaving five to seven strong canes untouched. Remember that flowers are produced on stems at least one year old on most running or climbing roses. The stems that you leave will bear next year's flowers. Climbers that bloom on the current season's growth can be pruned more severely.

When pruning large and tangled climbing roses, be careful not to damage healthy stems while removing the stems to be discarded. It is easier to remove most stems in sections.

Old Garden Roses: Old roses do not need the hard pruning that is needed by many modern roses. Hard pruning can ruin their graceful shape and severely reduce their flowering. Preserve the informal habit of old garden roses by removing no more than one-third of each bush. Generally, remove only the oldest stems that are no longer productive.

Most old garden roses bloom once in a season. Prune immediately after bloom to keep old roses under control and vigorous. Leave some of the bright red hips for fall and winter color.

Miniature Roses: Everblooming varieties can be lightly trimmed or tip-pruned several times a year, as they flower on new growth.

Prepared by Karen Russ, HGIC Horticulture Specialist and Bob Polomski, Extension Consumer Horticulturist, Clemson University. (New 06/99.)