



Knock Out®:

This shrub rose set a new standard in disease resistance with little to no maintenance required. It has stunning flower power that provides an almost non-stop abundance of cherry red, single blossoms. Black spot resistant, drought tolerant and self-cleaning, this rose suits every garden and every lifestyle. Knock Out® is an excellent choice for everyone, and probably the very best choice for gardeners who are just beginning with roses.

Medium Shrub

Classification: Shrub rose

Year Introduced: 2000

Growth Habit: Medium shrub

Height: 6 ft.

Width: 6 ft.

Spacing: 8 ft. apart on centers

Color: Cherry red

Bloom: Medium-sized, single blossom, Successive flushes of bloom spring, summer, and fall

Fragrant: No

Foliage: New foliage a strikingly attractive maroon color. Mature foliage is dark green, semi-glossy

Planting Site: Full sun is best, but can tolerate some light dappled shade in the afternoon.

Good air circulation

Water Use: Keep moist until established (usually requires one month to establish). Good drought tolerance.

Appears to tolerate highly saline irrigation water when drip irrigated

Cold Hardiness: Hardy in zones 5b–9

History: Bred in the United States (1999) by William J. Radler. Introduced in the United States (2000) by Conard-Pyle (Star Roses). Plant name is 'RADrazz.' Parentage ('Carefree Beauty' x Unknown seedling) x ('Razzle Dazzle' x Unknown seedling). 2000 All American Rose Selection winner.

What is Earth-Kind® Landscaping?

Earth-Kind Landscaping uses research-proven techniques to provide maximum gardening and landscape enjoyment while preserving and protecting our environment.

The objective of Earth-Kind is to combine the best of organic and traditional gardening and landscaping principles to create a horticultural system based on real world effectiveness and environmental responsibility.

Earth-Kind Landscaping Encourages:

- * Water conservation
- * Landscaping for energy conservation
- * Reduction of fertilizer and pesticide use
- * Reduction of yard wastes entering landfills

Individuals using Earth-Kind® landscaping principles and practices can create beautiful, easy-care landscapes, while conserving and protecting natural resources and the environment.

What Are...

Earth-Kind® Roses?

Earth-Kind® is a special designation given to select rose cultivars by the Texas AgriLife Extension Service through the Earth-Kind® landscaping program. It is based on the results of extensive research and field trials and is awarded only to those roses demonstrating superior pest tolerance, combined with outstanding landscape performance.

Earth-Kind® roses do well in a variety of soil types, ranging from well-drained acid sands to poorly aerated, highly alkaline clays. Once established, these select cultivars also have excellent heat and drought tolerance.

The use of Earth-Kind® roses provides the opportunity to enjoy these wonderful flowering plants while limiting the use of pesticides, fertilizers, and water. These sustainable practices are excellent examples of how Earth-Kind® landscaping is working to preserve and protect our natural resources and the environment.

For More Information

Visit the Earth-Kind® Rose Web Site

<http://EKRoses.tamu.edu>



The term, Earth-Kind, is a federally registered trademark of the Texas AgriLife Extension Service, Texas A&M System.

Growing Tips for Earth-Kind® Roses:

Planting Site:

Plant in locations where roses receive full, direct sunlight for at least eight hours each day.

Choose a location that provides good air movement over the leaves and do not plant too close together or place in cramped, enclosed areas.

When a plant is fully-grown, there should remain at least one foot of open space all around it to facilitate good air movement. This practice will help reduce the potential for foliar diseases.

Bed Preparation:

Roses respond well to soils with an adequate balance of aeration, drainage, and water- holding characteristics.

For sandy and loam soils, incorporate 3-6 inches of fully decomposed, plant-derived compost.

For clay soils, consider a one-time incorporation of 3 inches of expanded shale to improve soil aeration and drainage. Then incorporate 3 inches of fully decomposed, plant-derived compost. Thoroughly mix the existing soil, expanded shale, and compost into a uniform planting medium. If necessary due to availability or cost, compost can be used as an alternative to expanded shale.

For clay soils, it is also beneficial to create raised beds, crowned (i.e., higher) in the center, to promote drainage.

Regardless of soil type, roses benefit from a year-round, 3-inch layer of organic mulch that conserves water, reduces weeds, reduces soil-borne plant diseases, moderates soil temperatures, and provides nutrients as it decomposes.

Irrigation and Maintenance:

Water thoroughly whenever the soil is dry in the root zone to a depth of one inch.

Watering established plants too frequently can promote root disease, especially in poorly drained soils.

Roses should not be sprinkler irrigated, especially during evening hours or at night. Drip irrigation is a much better watering method for plant health and water conservation.

In areas with "salty" water, drip irrigation is needed to eliminate burning of the rose foliage due to salty irrigation spray.

Follow recommended plant spacing and pruning practices. Remove dead, diseased, or broken branches to help promote plant health.

Replenish the mulch as needed to maintain the 3-inch layer. Remember as the mulch decomposes, it provides nutrients for plant use.