

VARIETAL REACTION OF SELECTED ROSE CULTIVARS TO BLACK SPOT, 2000: Thirty five rose cultivars were evaluated for response to black spot at the Texas A&M University Research and Extension Center in Dallas, Texas. Roses were planted in February through April of 1999 for evaluation in the spring and summer of 2000. The experiment was conducted in a randomized block design with four replications. Plants were non-grafted, given no fertilizer or pesticides, and irrigation was minimal. Black spot infection occurred by natural inoculation. Plants were rated empirically for severity of black spot on a 0 to 5 scale. Evaluations were conducted on the first week of each month throughout the study period.

Conditions during the study were conducive to black spot development. Despite high inoculum levels and favorable conditions to black spot the varieties 'Caldwell Pink', 'Sir Thomas Lipton', 'Sea Foam', and 'The Fairy' had consistently low disease ratings.

Disease rating (0 to 5) at each sampling date

Variety	Apr	May	Jun	Jul	Aug
Annie's Red.....	2.25 abc**	3.75 abcd	3.75 ab	3.50 ab	2.00 a
Apricot China.....	0.00 f	1.00 ijkl	1.25 hij	2.00 bc	1.00 bc
Baty's Pink Pillar.....	0.50 ef	3.00 bcdef	2.25 defgh	2.50 bc	1.00 bc
Belinda.....	0.00 f	1.50 ghijk	1.25 hij	3.00 abc	2.00 a
Belinda's Dream.....	1.25 cdef	4.75 a	2.75 bcdef	2.50 bc	1.00 bc
Blush Noisette.....	0.00 f	0.75 ijkl	2.75 bcdef	3.00 abc	1.25 bc
Bon Silene.....	1.25 cdef	3.25 bcde	1.75 fgghi	2.00 bc	0.75 bc
Caldwell Pink.....	0.00 f	0.25 kl	0.25 j	0.00 e	1.00 bc
Cecile Brunner.....	0.25 ef	3.00 bcdef	2.75bcdef	4.25 a	1.25 bc
Chrysler Imperial.....	3.00 a	3.75 abcd	3.00abcde	3.25 ab	1.00 bc
Consuelo.....	1.50 bcde	4.25 ab	4.00 a	3.50 ab	1.25 bc
Duchesse du Brabant.....	1.50 bcde	3.00 bcdef	2.75 bcdef	3.00 abc	1.00 bc
Else Poulsen.....	1.50 bcde	4.00 abc	2.75 bcdef	2.50 bc	0.75 bc
Gartendirektor Otto Linne.....	0.00 f	1.25 hijkl	2.50 cdefg	3.00 abc	1.25 bc
Graham Thomas.....	2.00 abcd	3.75 abcd	2.75 bcdef	3.50 ab	1.25 bc
Heritage.....	0.75 def	3.75 abcd	3.50 abc	3.50 ab	1.50 ab
Lindee.....	0.25 ef	2.50 defgh	1.75 fgghi	2.67 bc	1.33 ab
Livin' Easy.....	0.00 f	0.75 ijkl	1.50 ghi	2.50 bc	1.00 bc
Louis Philippe.....	0.25 ef	1.75 fghij	1.50 ghi	1.50 cd	0.50 c
Maggie.....	1.00 def	4.00 abc	3.00 abcde	2.00 bc	0.50 c
Marchesa Boccella.....	0.00 f	2.00 efgh	3.00 abcde	4.25 a	1.00 bc
Marie Daly.....	0.25 ef	3.25 bcde	3.25 abcd	3.50 ab	1.25 bc
Marie Pavie.....	0.50 ef	3.00 bcdef	3.75 ab	2.00 bc	-----
Monsieur Tillier.....	0.25 ef	3.00 bcdef	1.25 hij	1.50 cd	1.00 bc
Mutabilis.....	0.75 def	2.50 defgh	2.75 bcdef	3.00 abc	0.50 bc
Perle d'Or.....	0.25 ef	1.25 hijkl	1.25 hij	2.25 bc	1.00 bc
Pinkie.....	0.75 def	4.00 abc	4.00 a	2.25 bc	1.00 bc
Puerto Rico.....	1.50 bcde	3.75 abcd	2.00 efgh	3.00 abc	1.00 bc
Sarah Van Fleet.....	0.75 def	3.25 bcde	2.00 efgh	2.00 bc	1.00 bc
Sea Foam.....	0.00 f	0.00 l	1.50 ghi	1.50 cd	0.50 c
Sir Thomas Lipton.....	0.00 f	0.00 l	0.25 j	0.00 e	0.50 c
Souvenir de St. Anne.....	2.50 ab	2.75 cdefg	2.00 efgh	2.25 bc	1.00 bc
Spice.....	0.50 ef	1.50 ghijk	2.00 efgh	2.00 bc	1.00 bc
The Fairy.....	0.25 ef	0.50 jkl	0.75 ij	0.50 de	0.75 bc
Zephirine Drouhin.....	0.75 def	3.75 abcd	2.75 bcdef	3.25 ab	1.00 bc

* Disease rating scale of 0 = 0% of the foliage affected, 1 = 1% to 24% of the foliage affected, 2 = 25% to 49% of the foliage affected, 3 = 50% to 74% of the foliage affected, 4 = 75% to 100% of the foliage affected, 5 = complete defoliation.

**Means within columns followed by common letters are not different ($P = 0.05$) according to Duncan's multiple-range test.