



West Tennessee Research and Education Center - Jackson, TN



Plateau Research and Education Center - Crossville, TN



Thad Cochran Horticultural Research Laboratory - Poplarville, MS



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All The Rage

Our Thanks To:

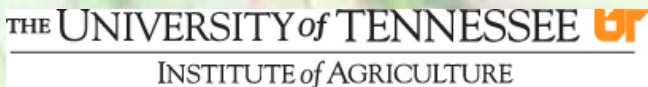
The cheerful and helpful staff of the WTREC, PREC, and TCHRL and especially Bob Hayes (WTREC), Walt Hitch (PREC) Ned Edwards (TCHRL), Lisa Vito, Yonghao Li, and John Emerson

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New Garden Solutions
No-Spray Roses for the Southeastern United States
James Mynes¹, Mark Windham¹, Alan Windham², Cecil Pounders³, and James Spiers³
¹Tennessee Agricultural Experiment Station, ²UT Extension, ³USDA Agricultural Research Service

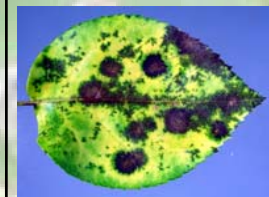


Centennial

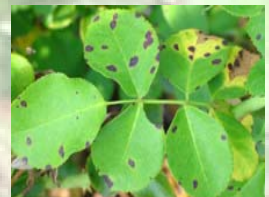


Nature of Work

A no-spray rose trial has been conducted at the West Tennessee Research and Education Center (WTREC) in Jackson, TN since 2006. In 2007, sites were added at the Plateau Research and Education Center (PREC) in Crossville, TN and the Thad Cochran Horticultural Research Laboratory (TCHRL) in Poplarville, MS. A total of 136 cultivars were evaluated in at least two of the three test locations. Roses with superior resistance (less than 2% foliage infected) to black spot and cercospora leaf spot (table 1) were considered no-spray roses (do not require fungicides for clean foliage). Roses rated moderately resistant (less than 10% foliage infected) may need limited spraying to maintain clean foliage. Tolerant roses (Table 2) are susceptible to black spot and/or cercospora leaf spot, but may defoliate, while blooming well all summer.



Black spot



Cercospora Leaf Spot

Caution: roses with an (*) have only been evaluated for one year and should be watched closely for at least one more year before they are considered resistant with confidence.



Island Dancer



Lady Elsie May



Yellow Brick Road



Golden Eye



My Hero



Yellow Submarine



Belinda's Dream



Knockout



Tournament of Roses



About Face



Carefree Delight



Memorial Day



Crystal Fairy



White Dawn



Palmengarten Frankfurt

Table 1. Roses that are resistant or moderately resistant to black spot and cercospora leaf spot			
Rose Cultivar ¹	Resistance ²	Type	Vendor ³
All the Rage*	++	Shrub	Bailey
Carefree Sunshine	++	Shrub	Bailey
Centennial*	++	Shrub	Bailey
Daydream*	+	Shrub	J&P ⁴
Fiesta*	+	Shrub	Bailey
Golden Eye*	++	Shrub	Bailey
Good N' Plenty*	++	Shrub	J&P
Great Wall*	+	Shrub	Bailey
Gypsy Dancer*	+	Shrub	J&P
Hansa	++	Shrub	J&P
Happy Chappy*	+	Shrub	J&P
Homerun	++	Shrub	Weeks
Honey Perfume*	+	Grandiflora	J&P
Island Dancer*	++	Shrub	Bailey
Knockout	++	Shrub	Weeks
Lady Elsie May*	++	Shrub	J&P
Macy's Pride*	++	Shrub	Bailey
My Girl*	++	Shrub	Bailey
My Hero*	++	Shrub	Bailey
Palmengarten Frankfurt	++	Shrub	Weeks
Pink Knockout	++	Shrub	Weeks
Rainbow's End	+	Miniature	J&P
Snowdrift*	++	Shrub	Bailey
Super Hero*	+	Shrub	Bailey
Teasing Georgia*	++	Shrub	J&P
Topaz Jewel	+	Shrub	Weeks
White Dawn	+	Shrub	J&P
Wild Thing	+	Shrub	J&P
Wildberry Breeze	++	Shrub	J&P
Yellow Brick Road*	++	Shrub	Bailey
Yellow Submarine*	++	Shrub	Bailey



Hansa



Carefree Sunshine



My Girl



Pink Knockout



Homerun



Macy's Pride



Wildberry Breeze

¹Roses were not screened for diseases, such as downy mildew or rose rosette, and pests, such as aphids and mites, and no claims for these or other problems are implied.

²Resistance rating is ++ for resistant (no-spray) and + for moderately resistant

³Company furnishing roses for trials. No exclusory claims are made and roses may be available from other vendors.

⁴Abbreviation J&P is for Jackson and Perkins

*Rose cultivars observed during Year 1 (2007)