

this month in diseases

roses

By A.R. Chase and Margery Daughtrey



	Disease	Pathogen	Stage of crop	Best cultural controls	Best product controls, based mainly on Chase Research trials
	Black spot	<i>Diplocarpon rosae</i>	Landscape, mainly	Avoid overhead irrigation/exposure to rainfall.	Daconil Ultrex (before flowering), strobilurins (e.g., Compass O, Heritage, Pageant), sterol inhibitors (e.g., Eagle, Banner MAXX)
	Botrytis blight and stem rot	<i>Botrytis cinerea</i>	Plug production to finishing, often on flowers	Manage irrigation; avoid crowding.	Daconil Ultrex (before flowering), Chipco 26019, Decree, Medallion and Pageant
	Coniothyrium canker	<i>Coniothyrium</i> spp.	Any time wounding (pruning) occurs	Do not propagate from plants with cankers and avoid unnecessary wounding.	Strobilurins (especially Insignia, Compass O and Pageant), Medallion and Daconil Ultrex
	Crown gall	<i>Agrobacterium tumefaciens</i>	Any time, but usually spread during propagation	Rogue plants with galls; do not use them to propagate.	None effective
	Downy mildew	<i>Peronospora sparsa</i>	Spring, mainly	Scout regularly; keep humidity low, if possible.	Phosphonates (like Aliette), Stature, and Adorn or Subdue MAXX (both must be tank-mixed with another fungicide)
	Powdery mildew	<i>Sphaerotheca pannosa</i>	During finishing, mainly, or in landscape in spring/fall	Scout regularly; maintain spacing to keep humidity low.	Sterol inhibitors (e.g., Eagle and Banner MAXX) and strobilurins (e.g., Compass O, Cygnus and Insignia)
	Pythium root rot	<i>Pythium</i> spp.	All stages	Use well-draining media; manage water carefully; use new media and pots.	Subdue MAXX (resistance is possible), Terrazole (or Truban) and Segway
	Rust	<i>Phragmidium</i> spp.	All stages, but usually in landscape in spring/fall	Scout regularly; maintain spacing to keep humidity low.	Strobilurins (especially Heritage), sterol inhibitors (e.g., Eagle and Banner MAXX)
	Xanthomonas leaf spot and blight	<i>Xanthomonas</i> sp.	All stages	Avoid overhead irrigation/exposure to rainfall.	Copper has been effective on other crops affected by Xanthomonas

In this issue, we present a summary of diseases that occur in roses. Remember: Product controls are based on research trials and do not reflect an endorsement of any sort.

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