









this month in diseases

# chrysanthemum

By A.R. Chase and Margery Daughtrey



	Disease	Pathogen	Stage of crop	Best cultural controls	Best product controls, based mainly on Chase Research trials
	Alternaria flower and leaf spot	<i>Alternaria</i> sp.	Finishing and landscape	Avoid overhead irrigation and exposure to rainfall.	Daconil Ultrex (on leaves only) and strobilurins (like Compass O, Heritage and Insignia)
	Fusarium crown rot	<i>Fusarium solani</i>	Mid to late production	Use only pathogen-free cuttings, new pots and new potting medium.	Possibly Medallion, Heritage and Terraguard
	Fusarium wilt	<i>Fusarium oxysporum</i> f. sp. <i>chrysanthemi</i>	Anytime after rooting	Use pathogen-free cuttings, new pots and new potting medium.	None known to be effective
	Pythium root rot and wilt	<i>Pythium aphanidermatum</i>	Anytime in production and sometimes in propagation	Use well-draining potting media; manage water carefully; use new potting media and pots and pathogen-free plants.	Subdue MAXX (resistance is possible), Terrazole (or Truban), FenStop (use lower labeled rates) and Segway
	Rust — brown	<i>Puccinia chrysanthemi</i>	Midsummer through finish	Time irrigation to avoid long periods when foliage is wet or use drip irrigation; space plants adequately.	Sterol inhibitors (like Eagle) and strobilurins (especially Heritage). Use a wetting agent as directed for eradication.
	Rust — white	<i>Puccinia horiana</i>	Evident only at finishing	Destroy infected plants per quarantine regulations.	Prevention only — see brown rust.
	Verticillium wilt	<i>Verticillium dahliae</i>	Mainly finishing	Use only pathogen-free cuttings.	None known to be effective.

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

— A.R. Chase is president and pathologist of Chase Horticultural Research, Inc. and can be reached at [archase@chaseresearch.net](mailto:archase@chaseresearch.net). Margery L. Daughtrey is senior extension associate at Cornell University's Long Island Horticultural Research & Extension Center and can be reached at [mld9@cornell.edu](mailto:mld9@cornell.edu).