

this month in diseases

dianthus

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 leaf spot	<i>Alternaria</i> spp.	All stages	Avoid overhead irrigation — can be seed-borne.	Daconil Ultrex, strobilurins (like Compass O, Heritage and Insignia) and copper (like Camelot)
	Fusarium crown rot	<i>Fusarium</i> spp.	Mainly during finishing and in the landscape	Avoid overly deep transplanting.	Medallion, Heritage (or Insignia) and Terraguard have been effective on other crops
	Heterosporium leaf spot	<i>Heterosporium echinulatum</i>	Mainly during finishing and in the landscape	Avoid overhead irrigation — can be seed-borne.	Daconil Ultrex and strobilurins (like Compass O, Heritage and Insignia)
	Phytophthora stem rot	<i>Phytophthora</i> spp.	Late production	Use pathogen-free plugs, new pots and new potting media; don't overwater.	Stature, FenStop, phosphonates (like Aliette) and Subdue MAXX
	Powdery mildew	<i>Oidium</i> sp.	Late production	Maintain spacing to reduce relative humidity.	DMI fungicides (like Hoist or Terraguard), strobilurins (like Compass O and Insignia) and copper (like Phytan 27)
	Rhizoctonia stem rot or damping-off	<i>Rhizoctonia solani</i>	Plug production mainly	Use new rooting media and flats.	Medallion, 3336, and strobilurin (like Heritage) srench
	Rust	<i>Puccinia</i> and <i>Uromyces</i> spp.	Late production and landscape	Maintain spacing to reduce relative humidity.	Strobilurins (especially Heritage), DMI fungicides (like Hoist and Terraguard) and mancozeb (preventatively)
	Sclerotinia blight	<i>Sclerotinia sclerotiorum</i>	Late production and landscape	None	Pageant

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

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