

this month in diseases

# geraniums

By A.R. Chase and Margery Daughtrey



	Disease	Pathogen	Stage of crop	Best cultural controls	Best product controls, based mainly on Chase Research trials
	Botrytis blight and stem rot	<i>Botrytis cinerea</i>	Any time from rooting to finishing (leaves, stems and flowers)	Manage irrigation; avoid wounding; don't grow plants under hanging baskets that drop petals	Daconil Ultrex (before flowering starts), Chipco 26019, Decree, Pageant
	Oedema	None, spider mite feeding can cause this symptom	Finishing	Choose oedema-resistant cultivars; control spider mites; manage water carefully during the winter	Use appropriate miticides if oedema is due to mites' feeding
	Pseudomonas leaf spot	<i>Pseudomonas cichorii</i>	Plugs to finishing	Use pathogen-free seeds and plugs; avoid letting leaves sit wet	Copper products (e.g., Camelot and Phyton 27), <b>Cease</b>
	Pythium damping-off	<i>Pythium irregulare</i>	Plug production, mainly	Use well-draining potting media; manage irrigation; use new media and pots; choose pathogen-free plants	Subdue MAXX (resistance is possible), Terrazole (or Truban), FenStop (at lower labeled rates), Segway
	Rhizoctonia cutting rot	<i>Rhizoctonia solani</i>	All stages of production	Use new rooting media and flats	3336 sprench, Chipco 26019 (not always effective), strobilurins (e.g., Compass O, Heritage, Insignia)
	Rust	<i>Puccinia pelargonii-zonalis</i>	Finishing	Use pathogen-free cuttings; space plants to improve drying	Strobilurins (especially Heritage), DMIs (e.g., Hoist=Eagle)
	Southern wilt	<i>Ralstonia solanacearum</i>	Finishing	Avoid recirculating water systems	For race 1, phos-acids (e.g., Allette)
	Xanthomonas	<i>Xanthomonas campestris</i> pv. <i>pelargonii</i>	Later in production, mainly	Use pathogen-free seeds and plugs; avoid overhead irrigation	Copper products (e.g., Camelot and Phyton 27), <b>Cease</b>

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

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