





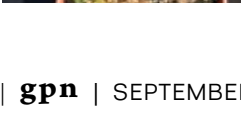


this month in diseases

petunia

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.	Finishing and landscape	Avoid overhead irrigation.	Daconil Ultrex, strobilurins (like Compass O, Heritage and Insignia)
	Black root rot	<i>Thielaviopsis basicola</i>	From plugs to finish	Maintain potting medium pH.	Thiophanate methyl products (like 3336 and OHP-6672) and Veranda O
	Botrytis blight and stem rot	<i>Botrytis cinerea</i>	Anytime from plug production to finishing	Irrigation management; don't grow plants under hanging baskets that drop petals.	Daconil Ultrex (before flowering starts), Chipco 26019, Decree, Medallion and Pageant
	Mosaic Virus	<i>Tobacco Mosaic Virus</i>	Anytime from plug to finishing	Use virus-indexed cuttings; discard all infected plants.	Clean benches etc. between crops with nonfat dry milk (20 percent) or bleach (10 percent).
	Phytophthora aerial blight	<i>Phytophthora nicotianae</i> (=parasitica)	Finishing and landscape	Do not plant ground beds consecutively with the same crop.	Subdue MAXX (resistance is possible), Terrazole (or Truban), Aliette (or other phosphonates) and Stature
	Powdery mildew	<i>Podosphaera xanthii</i> and <i>Oidium longipes</i>	Sometimes found in spring or in landscape at end of season	Scout regularly and maintain spacing and air movement.	Sterol inhibitors (like Eagle) and strobilurins (like Compass O, Cygnus and Insignia)
	Pythium damping-off and root rot	<i>Pythium irregulare</i>	Plug production mainly	Use well-draining potting media; manage water carefully; use new potting media and pots.	Subdue MAXX (resistance is possible), Terrazole (or Truban), FenStop (use lower labeled rates) and Segway
	Rhizoctonia stem rot	<i>Rhizoctonia solani</i>	All stages of production	Use new rooting media and flats.	Medallion, thiophanate methyl (like OHP-6672 or 3336), and strobilurin (like Heritage) sprench
	Rhizopus blight	<i>Rhizopus stolonifer</i>	Finishing under extreme heat	Maintain spacing and scout; reduce stress during extreme heat.	Treatments with Medallion have been effective on other crops.
	Sclerotinia blight	<i>Sclerotinia sclerotiorum</i>	Finishing in spring, mainly	Maintain spacing for good air movement.	Palladium and Pageant

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

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