



Rose Diseases: Cultural & Chemical Controls

Disease	Cultural Controls	Chemical Controls*
Powdery Mildew	<p>Increase air circulation. At the end of the growing season, prune and destroy infected canes and shoots. Rake and destroy all fallen leaves Use resistant varieties (partially effective).</p> <p><i>Greenhouses</i> Reduce nighttime humidity with the use of fans, venting, and heating.</p>	<p>Sulfur, thiophanate methyl, or triforine. Apply weekly at first signs of disease.</p>
Black Spot	<p>Remove and destroy spotted leaves. At the end of the growing season, rake and destroy all fallen leaves. Avoid wetting leaves when watering. Water early in the day to allow leaves to dry before evening. Increase air circulation. Mulch.</p>	<p>Sulfur, chlorothalonil, or triforine. Applications should begin at bud-break.</p>
Botrytis Blight (gray mold)	<p>Increase air circulation Under dry conditions, remove and destroy all infected flowers, buds, leaves and canes. Remove all spent flowers and aging leaves.</p>	<p>Captan, chlorothalonil, or sulfur. Applications should begin with first symptoms and continue at 7 to 14 day intervals during wet weather.</p>

Disease	Cultural Control	Chemical control
Crown Gall	Avoid wounding stem or roots during cultivation. Remove and destroy infected plants and soil surrounding roots. Do not replant area with roses (unless soil has been replaced).	None. <i>Biological Control:</i> Treat bare-rooted transplants with Norbac 84 or Galltrol.
Rust	Remove and destroy infected leaves at first sign of disease. At the end of the growing season, rake and destroy all fallen leaves. Increase air circulation. Use resistant varieties.	Sulfur, triforine, or mancozeb. Applications should begin at first sign of disease.
Cankers	Prune and destroy infected canes. Avoid unnecessary wounding.	None.
Virus	Remove all infected plants. Control insects.	None.

* FOLLOW LABEL DIRECTIONS CAREFULLY!

Where trade names are used, no discrimination is intended, and no endorsement, implied by the University of New Hampshire Cooperative Extension.

Stop! Read the label on every pesticide container each time before using the material. Pesticides must be applied only as directed on the label to be in compliance with the law. All pesticides listed in this publication are contingent upon continued registration. Contact the Division of Pesticide Control at (603) 271-3550 to check registration status. Dispose of empty containers safely, according to NH regulations.

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