

DISEASES of COMMERCIAL PECANS

Sherrie Smith and Steve Vann

Growth Stage	Disease	Product	Active Ingredient	Rate/Acre	Comments
Bud Break	Scab Anthracnose	Abound 2.08 FL	azoxystrobin	9 - 12 fl oz	Apply when buds are bursting and first leaves begin to show.
		Adament 50WG	tebuconazole + trifloxystrobin	4 - 8 oz	
	Scab, anthracnose, downy spot, vein spot, Zonate leaf spot, powdery mildew	Quilt	azoxystrobin + propiconazole	14 - 27.5 oz	Pecan scab: Apply on a 14 day schedule during bud break and pre-pollination sprays. Apply 20 - 27.5 fl oz/A during nut formation and cover sprays. Do not apply after shuck split or within 45 days of harvest.
		Enable 2F	fenbuconazole	8 fl oz	
	Scab, downy spot, liver spot, vein spot, powdery mildew, leaf blotch	Propimax EC	propiconazole	4 fl oz – bearing 4 - 5.5 fl oz – nonbearing	Use in certain counties is prohibited. Check label before use. Do not exceed more than 4 applications per growing season.
		Topsin M 70WP or Topsin 4.5 FL	thiophanate-methyl	1 lb 20 fl oz	
	Scab, downy spot, liver spot, Zonate leaf spot, powdery mildew, stem end blight, brown leaf spot	Super Tin 80WP*	tin hydroxide	0.5 lb	Use in certain counties is prohibited. Check label.
		Super Tin 80WP*	propiconazole + tin hydroxide	18.75 oz Super Tin® 80WP AgPak®	
	Scab, downy spot, brown leaf spot, powdery mildew, liver spot, sooty mold, leaf blotch, vein spot, leaf scorch	Tilt 3.6	propiconazole	4 - 8 fl oz	Do not apply within 30 days of harvest. See label for restrictions.
		Elast 400FL	dodine	3 - 6 pt	
Scab, downy spot, liver spot, leaf blotch, brown leaf spot	Pristine	boscalid + pyraclostrobin	10.5 - 14.5 oz	Apply at bud break through first cover at 10 - 14 day intervals. Do not apply after shucks open. Safe on most varieties. Severe foliage injury, however, has been experienced on Barton, Moore, Shawnee and Van Demon in the Southeast.	
	Quash	metconazole	2.5 - 3.5 oz		
(continued)	Scab	Quash	metconazole	2.5 - 3.5 oz	See label for restrictions.

DISEASES of COMMERCIAL PECANS – continued

Growth Stage	Disease	Product	Active Ingredient	Rate/Acre	Comments
Bud Break <i>(cont.)</i>	Scab	Headline	pyraclostrobin	6 - 7 oz	PHI 14 days. Maximum of 4 applications/season. See label.
	Scab	Sovran	kresoxim-methyl	4.8 oz	Apply when buds are bursting and first leaves begin to show. Do not apply within 45 days of harvest. Do not make more than 3 applications of Sovran or other strobilurin fungicides per season. Do not make more than 3 sequential applications of Sovran.
	Scab Anthracnose	Stratego Adament 50WG	propiconazole + trifloxystrobin tebuconazole + trifloxystrobin	10 oz 4 - 8 oz	Do not apply after shuck split or within 30 days of harvest. Do not apply more than 2 sequential applications of Stratego® before alternating with a fungicide that has a different (not Group 11) mode of action. Do not make more than 3 applications of Stratego® per acre per year.
Second Pre-Pollination Spray	Same as Bud Break	Same as Bud Break	Same as Bud Break	Same as above	Apply 14 days after above.
First Cover Spray	Same as Bud Break	Same as Bud Break	Same as Bud Break	Same as above	Apply 14 days after second pre-pollination spray or when young nuts first appear.
Second Cover	Same as First Cover	Same as Bud Break	Same as Bud Break	Same as above	Apply 3 weeks after first cover spray.
Third Cover	Same as Second Cover	Same as Bud Break	Same as Bud Break	Same as above	Apply 2 - 3 weeks after second cover spray.
Fourth Cover	Same as Second Cover	Same as Bud Break	Same as Bud Break	Same as above	Apply 2 - 3 weeks after third cover spray.
Fifth Cover	Same as Second Cover	Same as Bud Break	Same as Bud Break	Same as above	Apply 2 - 3 weeks after fourth cover spray.
Sixth Cover	Same as Second Cover	Same as Bud Break	Same as Bud Break	Same as above	Apply 2 - 3 weeks after fifth cover spray. A seventh spray may be needed if rainy weather persists in late August, but fungicides should not be applied after shucks begin to open.
<p>*NOTE: See labels for re-entry and days to harvest restrictions. Super Tin is a restricted use pesticide – see label for warnings.</p>					

This information was current as of October 1, 2009, and applies only to Arkansas and may not be appropriate for other states or locations. The listing of any product in this publication does not imply endorsement of that product or discrimination against any other product by the University of Arkansas Division of Agriculture. *Every effort was made to ensure accuracy, but the user of any crop protection product must read and follow the most current label on the product – The Label is the Law.* For further assistance, contact the local Cooperative Extension Service office.