

DISEASES of COMMERCIAL PECANS

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Growth Stage	Disease	Product	Active Ingredient	FRAC Code*	Rate/Acre	Comments
Bud Break	Scab Anthracnose	Abound 2.08 FL	azoxystrobin	11	9 - 12 fl oz	Apply when buds are bursting and first leaves begin to show.
		Adament 50WG	tebuconazole + trifloxystrobin	3 11	4 - 8 oz	
	Scab, anthracnose, downy spot, vein spot, Zonate leaf spot, powdery mildew	Quilt	azoxystrobin + propiconazole	11 3	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	3	8 fl oz	Apply when buds are bursting and first leaves begin to show. Do not apply after shuck split or within 28 days of harvest.
	Scab, downy spot, liver spot, vein spot, powdery mildew, leaf blotch	Propimax EC	propiconazole	3	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.
	Scab, downy spot, liver spot, Zonate leaf spot, powdery mildew, stem end blight, brown leaf spot	Topsin M 70WP or Topsin 4.5 FL	thiophanate-methyl	1	1 lb 20 fl oz	Begin applications when first leaves are showing and repeat at 3 - 4 week intervals until shuck split. Do not apply after shuck split.
		Super Tin 80WP**	triphenyltin hydroxide	30	0.5 lb	Use in certain counties is prohibited. Check label.
	Scab, downy spot, brown leaf spot, powdery mildew, liver spot, sooty mold, leaf blotch, vein spot, leaf scorch	Orbit 45 WP/ Super Tin 80WP**	propiconazole + triphenyltin hydroxide	3 30	18.75 oz Super Tin® 80WP AgPak®	Do not apply within 30 days of harvest. See label for restrictions.
		Tilt 3.6	propiconazole	3	4 - 8 fl oz	
	Scab, downy spot, liver spot, leaf blotch, brown leaf spot	Elast 400 FL	dodine	U12	3 - 6 pt	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.
	Scab	Pristine	boscalid + pyraclostrobin	7 + 11	10.5 - 14.5 oz	No more than 4 applications per season. Check label information.
(continued)	Scab	Quash	metconazole	3	2.5 - 3.5 oz	See label for restrictions.

DISEASES OF COMMERCIAL PECANS – continued

Growth Stage	Disease	Product	Active Ingredient	FRAC Code*	Rate/Acre	Comments
Bud Break <i>(cont.)</i>	Scab	Headline	pyraclostrobin	11	6 - 7 oz	PHI 14 days. Maximum of 4 applications/season. See label.
	Scab	Sovran	kresoxim-methyl	11	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	propiconazole + trifloxystrobin	3 11	10 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.
		Adament 50WG	tebuconazole + trifloxystrobin	3 11	4 - 8 oz	
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.

* **FRAC Code** – Fungicides with the same FRAC Code have the same mode of action. See <http://www.frac.info/frac/index.htm> for an explanation of the FRAC Codes. Rotation of fungicides with different FRAC Codes could minimize the development of fungicide-resistant strains.

** **NOTE:** See labels for re-entry and days to harvest restrictions. **Super Tin is a restricted use pesticide – see label for warnings.**