

Commercial Pecan Disease Management Spray Guide

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Table 1. Fungicides for pecan disease management.

Product	Active Ingredient	FRAC code	Rate/acre	Remarks
Abound	azoxystrobin	11	12 fl oz	Do not make more than two consecutive applications before alternating to a non-FRAC group 11 fungicide. Do not apply more than 73.8 fl oz per acre per season. 45-day PHI.
Enable 2F	fenbuconazole	3	8 fl oz	Do not apply more than 48 fl oz per acre per season. Do not apply after shuck split. 28-day PHI.
Headline	pyraclostrobin	11	6-7 fl oz	Do not make more than two consecutive applications before alternating to a non-FRAC group 11 fungicide. Do not apply more than 28 fl oz per acre per season. 14-day PHI.
Propiconazole (various trade names)	propiconazole	3	4-8 fl oz	Do not apply more than 32 fl oz per acre per season. Do not apply after shuck split.
Quadris Top	azoxystrobin + difenoconazole	11 + 3	8-14 fl oz	Do not make more than two consecutive applications before alternating to a non-FRAC group 11 fungicide. Do not apply more than 56 fl oz per acre per season. 45-day PHI.
Quash	metconazole	3	2.5-3.5 fl oz	Do not make more than two consecutive applications before alternating to a non-FRAC group 3 fungicide. Do not apply more than 14 fl oz per acre per season. 25-day PHI.
Quilt	propiconazole + azoxystrobin	3 + 11	14-27.5 fl oz	Do not apply more than 122 fl oz per acre per season. Do not apply after shuck split. 45-day PHI.
Sovran	kresoxim-methyl	11	2.4-3.2 fl oz (prepollination) 3.2-4.8 fl oz (postpollination)	Do not make more than three applications per season. Alternate Sovran with non-FRAC group 11 fungicide. 45-day PHI.
Stratego	propiconazole + trifloxystrobin	3 + 11	10 fl oz	Do not make more than two consecutive applications before alternating to a non-FRAC group 11 fungicide. Do not apply more than 30 fl oz per acre per season. Do not apply after shuck split. 30-day PHI.
Super Tin 80WP	triphenyltin hydroxide	30	5-7.5 oz	Do not apply more than 45 oz per acre per season. 30-day PHI.
Tebucon 3.6F	tebuconazole	3	4-8 fl oz	Do not apply more than 32 fl oz per acre per season. Do not apply after shuck split. Alternate with a non-FRAC group 3 fungicide.

Table 2. Spray schedule for pecan disease management.

Time of Application	Disease*	Remarks
First Prepollination Spray When first buds have opened.	Scab, downy spot	The first two sprays are very important for scab control.
Second Prepollination Spray 14 days after first prepollination spray.	Scab, downy spot	The first two sprays are very important for scab control.
First Cover Spray When young nuts first appear.	Scab, downy spot	If using Sovran, the rate increases to 3.2-4.8 oz.
Second Cover Spray 2 to 3 weeks after first cover spray.	Scab, leaf blotch, brown leaf spot, powdery mildew	Sulfur (3 lb per acre) can be added to most fungicides for improved powdery mildew control.
Third Cover Spray 2 to 3 weeks after second cover spray.	Scab, leaf blotch, brown leaf spot, powdery mildew	Apply cover sprays at 2-week intervals in rainy weather, 3-week intervals if dry conditions exist.
Fourth Cover Spray 2 to 3 weeks after third cover spray.	Same as third cover spray.	
Fifth Cover Spray 2 to 3 weeks after fourth cover spray.	Same as third cover spray.	
Sixth Cover Spray 2 to 3 weeks after fifth cover spray.	Same as third cover spray.	Do not apply fungicides after shucks have started to open.

*Choose from fungicides listed in Table 1. Alternate fungicides belonging to different FRAC groups for resistance management.

Precautionary statement: To protect people and the environment, pesticides should be used safely. This is everyone's responsibility, especially the user. Read and follow label directions carefully before you buy, mix, apply, store or dispose of a pesticide. According to laws regulating pesticides, they must be used only as directed by the label.

****Disclaimer**

This publication contains pesticide recommendations that are subject to change at any time. The recommendations in this publication are provided only as a guide. It is always the pesticide applicator's responsibility, by law, to read and follow all current label directions for the specific pesticide being used. The label always takes precedence over the recommendations found in this publication. Use of trade or brand names in this publication is for clarity and information; it does not imply approval of the product to the exclusion of others that may be of similar, suitable composition, nor does it guarantee or warrant the standard of the product. The author(s), the University of Tennessee Institute of Agriculture and University of Tennessee Extension assume no liability resulting from the use of these recommendations.



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