

Pecan Scab Advisor

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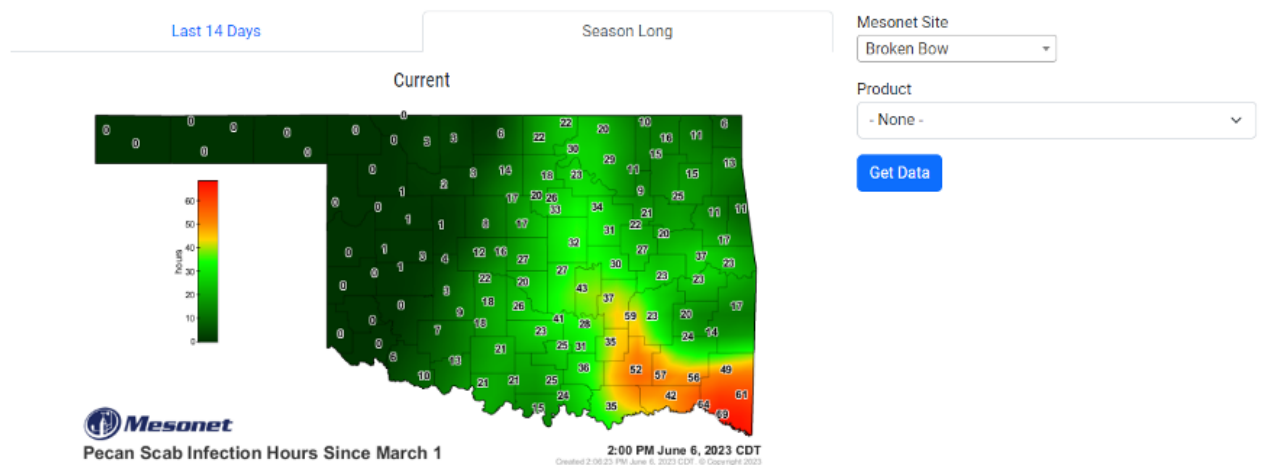
The Mesonet Pecan Scab Advisor is an online weather-based management tool that identifies times when the risk of pecan scab infection is high. It is seasonal and operates between March 1 and August 31. The advisory is based on the accumulation of “pecan scab hours” which are defined as one hour with relative humidity greater than or equal to 90% and temperatures greater than or equal to 70°F. The advisory calculates the number of pecan scab hours that have occurred for the growing season, the past 14 days, and forecasts estimates for the next 3 ½ days utilizing the North American Model (NAM) forecast. Spraying is recommended when 10 pecan scab hours have accumulated for highly susceptible varieties, and it has been either 30 days after March 1 or 5 to 14 days (user selected) from the last fungicide application. For moderately susceptible varieties, it is 20 pecan scab hours, and 30 scab hours for low susceptible varieties.

Highly Susceptible Varieties (10 Scab Hours): Burkett, Desirable, Maramec, Pawnee, Peruque, Western, and Wichita.

Moderately Susceptible Varieties (20 Scab Hours): Caddo, Choctaw, Colby, Creek, Giles, Kiowa, Mohawk, Nacono, Oconee, Stuart, and Zinner.

Low Susceptible Varieties (30 Scab Hours): Excel, Hark, Kanza, Lakota, Mount, and Osage.

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On the main page of the pecan scab advisor, you can see the pecan scab hours for the past 14 days or the entire growing season (since March 1). You can also select your closest Mesonet station from the pulldown menu. Opening “Product” allows the option to choose the Last 14 Days and Forecast Graph, a Forecast Hours Table, a Season-Long Hours Table, the Spray Decision Advisor, and a graph of the Past Years Comparison which displays the previous 3 years of pecan scab hours along with a 15-year average.

- None -
- Last 14 Days and Forecast Graph
- Forecast Hours Table
- Season-Long Hours Table
- Spray Decision Advisor
- Past Years Comparison

The spray decision advisor will need additional information supplied by the user. The pull-down menu allows for selecting the variety category, the start date (which is either March 1 or the last fungicide application). There is an option to select a fungicide protection window of either 5, 7, 10, or 14 days. When you "Get Data" and the appropriate number of pecan scab hours have accumulated, then a red "SPRAY" icon will show up. If less than the appropriate number of pecan scab hours have accumulated, then a green "NO SPRAY" icon will be shown.

Mesonet Site
 Broken Bow

Product
 Spray Decision Advisor

Pecan Variety *
 Highly Susceptible


Start Date *
 03/01/2023

Fungicide Protection Days *
 14

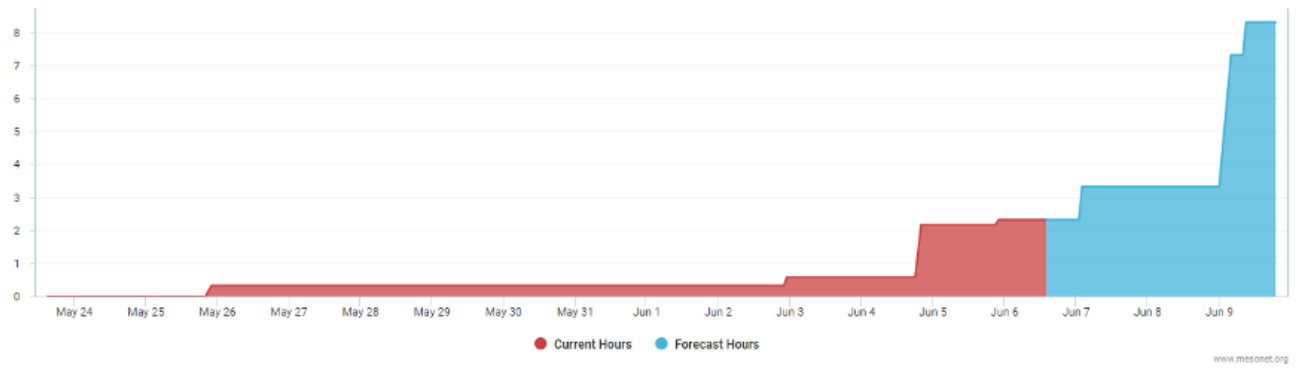
Get Data

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<p>Should you spray for pecan scab? NOT RECOMMENDED</p> 	<p>Today's Date June 6, 2023</p> <p>Last Fungicidal Application Date March 1, 2023</p> <p>Date Fungicidal Protection Ends March 15, 2023</p>	<p>Pecan Scab Hours during last 14 Days 2.33</p>
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Last 14-Day and Forecast Graph for Broken Bow



For more information contact the Oklahoma Mesonet at **405-325-3231** or email us at operator@mesonet.org.

Author: J. Wes Lee, Mesonet Ag Coordinator. Version date June 12th, 2023.

