

Tobacco Thrips Flight and TSWV Intensity Predictor

Required Inputs

- ☒ I want to determine WHEN to treat for TSWV (Available April to June)
- ☐ I wanted to determine IF I need to treat for TSWV (Available April to June)
- ☐ I want to view historical TSWV predictions (specify a year) (Available Anytime)

Average historical TSWV incidence at your location: %

A percentage ranging from 0-100. If your risk is 15%, enter "15" without the quotation marks.

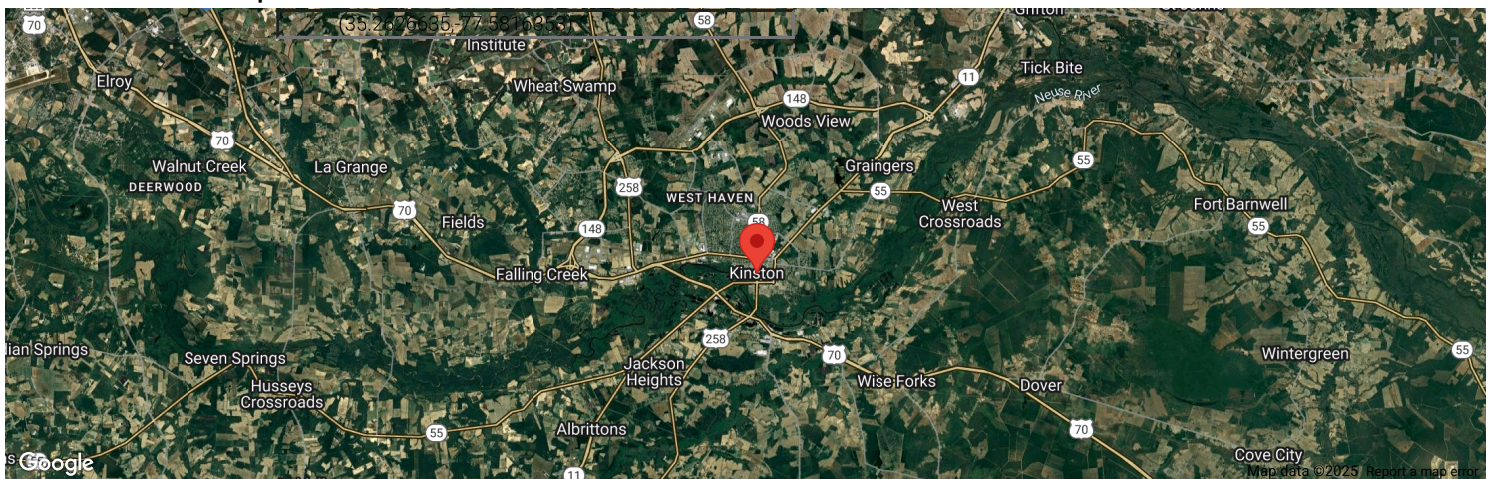
Optional Inputs

Anticipated Plant Date:

Greenhouse Treatment:

Both Anticipated Planting Date and Greenhouse Treatment entries are optional. If entered, potential recommendations will be given based on your planting date and greenhouse treatment. Neither of these entries influences TSWV risk or thrips dispersal estimates.

Select Location from Map:



SUBMIT

Selected location:

35.26,-77.58

Anticipated planting date:

N/A

Historical Incidence:

8%

Estimated TSWV Risk

8.4%

This is an estimate of end-of-season TSWV incidence, based on a combination of weather data and the historical incidence you entered (8%.)

Today's estimate is computed using the following weather data:

- Data between November 11, 2024 and June 2, 2025. is from the PRISM observation-based gridded dataset
- Data between June 2 and June 3. is from the National Weather Service's RTMA observation-based gridded dataset
- Data between June 4 and June 11. is from the National Weather Service forecasts
- Data between June 12 to August 31 is calculated using the last 5-year PRISM average (2019 - 2023).

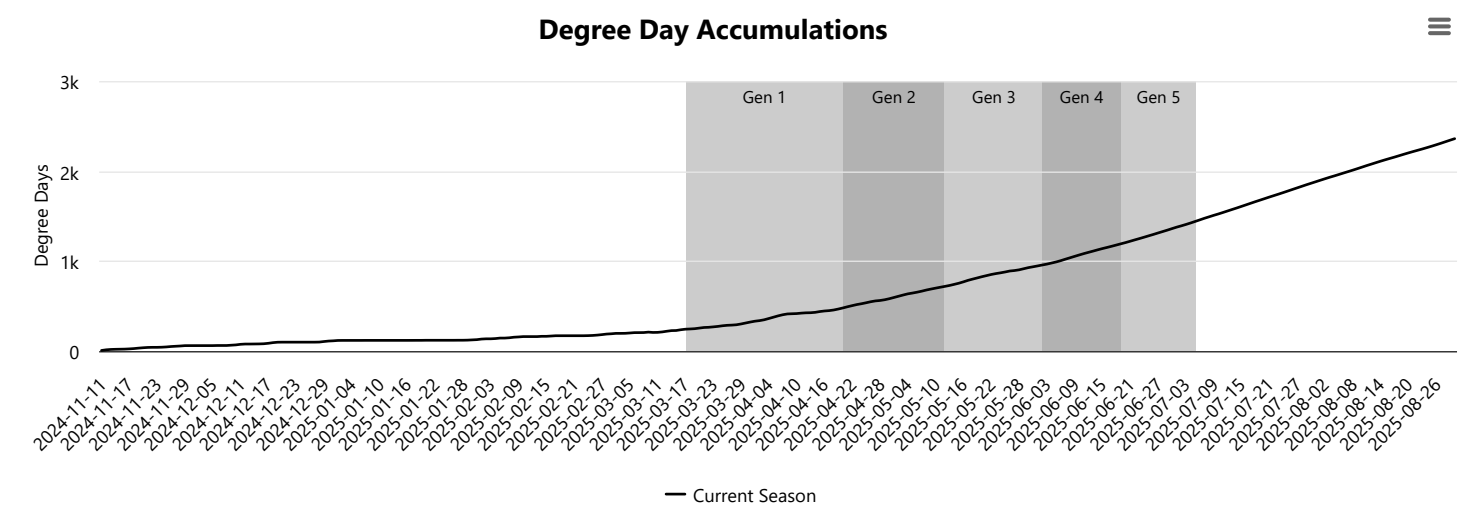
The accuracy of the estimate will improve during the growing season and will become final on May 31st.

The **third** generation of tobacco thrips was expected to begin dispersing to crop hosts on May 12.

THRIPS FLIGHT DATES

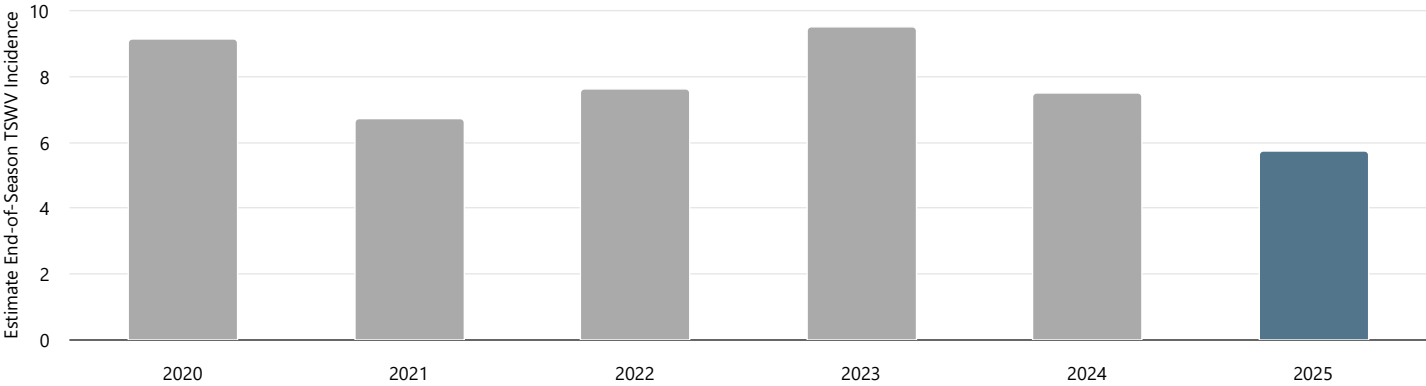
Year	Generation 3	Generation 4
2024 (previous year)	May 13	June 2
2025 (current year)	May 12	June 2

The 3rd generation tobacco thrips flight is responsible for most of the TSWV transmission in the southeast. In some cases, the 4th generation thrips flight may also contribute a meaningful amount to virus transmission. The use of TSWV management tools is more effective when initiated before the movement of the 3rd and 4th generation flights.



The line indicates degree day accumulations over time. Hovering over line will display dates associated with degree day accumulations. Tobacco plants become less susceptible to TSWV infection as they grow, and the yellow box indicates the 6 week period following your anticipated transplant date, after which plants are typically less susceptible to infection.

Historical TSWV Risk



Predicted end of season TSWV incidence is based on model estimates using your reported infection history and can be used to assess severity over time.

National Weather Service Forecast for Selected Location

About this Tool

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