

The UW Insect Diagnostic Lab

- Lab established in 1978 to serve as a resource for Extension colleagues
- Managed by Phil Pellitteri for 35 years
 Currently in its 47th year
- Main service: arthropod diagnostics • Receive ~2,500 diagnostic requests annually
- Samples from: general public, Extension, farmers, businesses, medical/public health, gov't, etc.



Other services: pest management consults, outreach, teaching, providing context

University of Wisconsir Insect Diagnostic Lab

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Wisconsin's Weather Patterns

- Weather patterns can indirectly influence insects via impacts on landscape plants
- Wisconsin's 2024 weather was warm, wet, and wavering, leading to the warmest year on record and precipitation ping-pong between record dry and record wet months

 —WI State Climatology Annual Report
- Winter of 2023-24 mild due to El Niño conditions

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Aphids



































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New Leafhopper (Tautoneura polymitusa)



Detected in WI: fall 024 (La Crosse)

- Leafhopper native to Korea
- Associated with elms
- No damage observed to plants
- Potential to be a minor structural pest

rce: Toth et al. 2017. Zootaxa 4311(1): 137-144. Photo







