



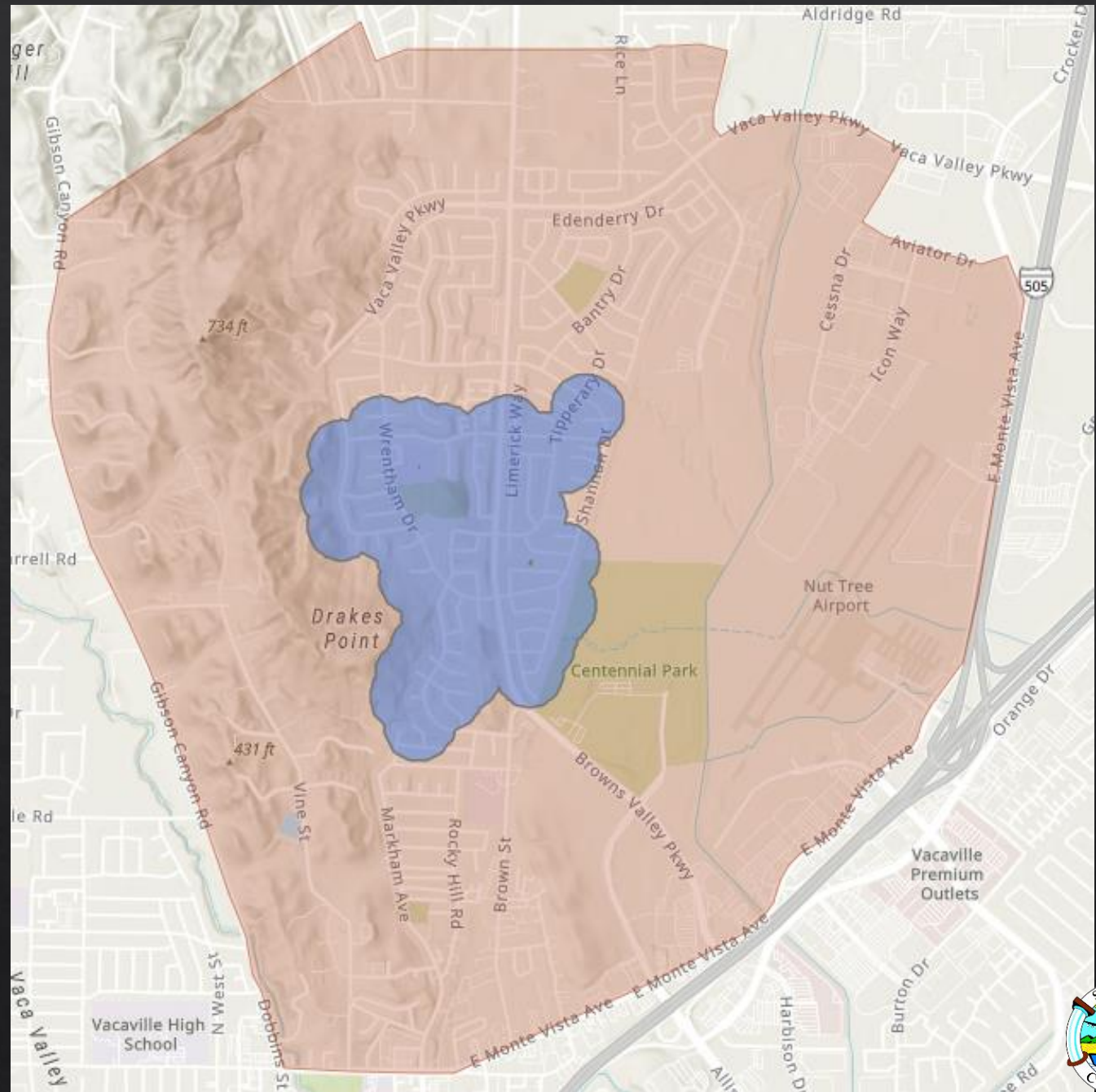
Solano County Agriculture Department Update

February 6, 2024

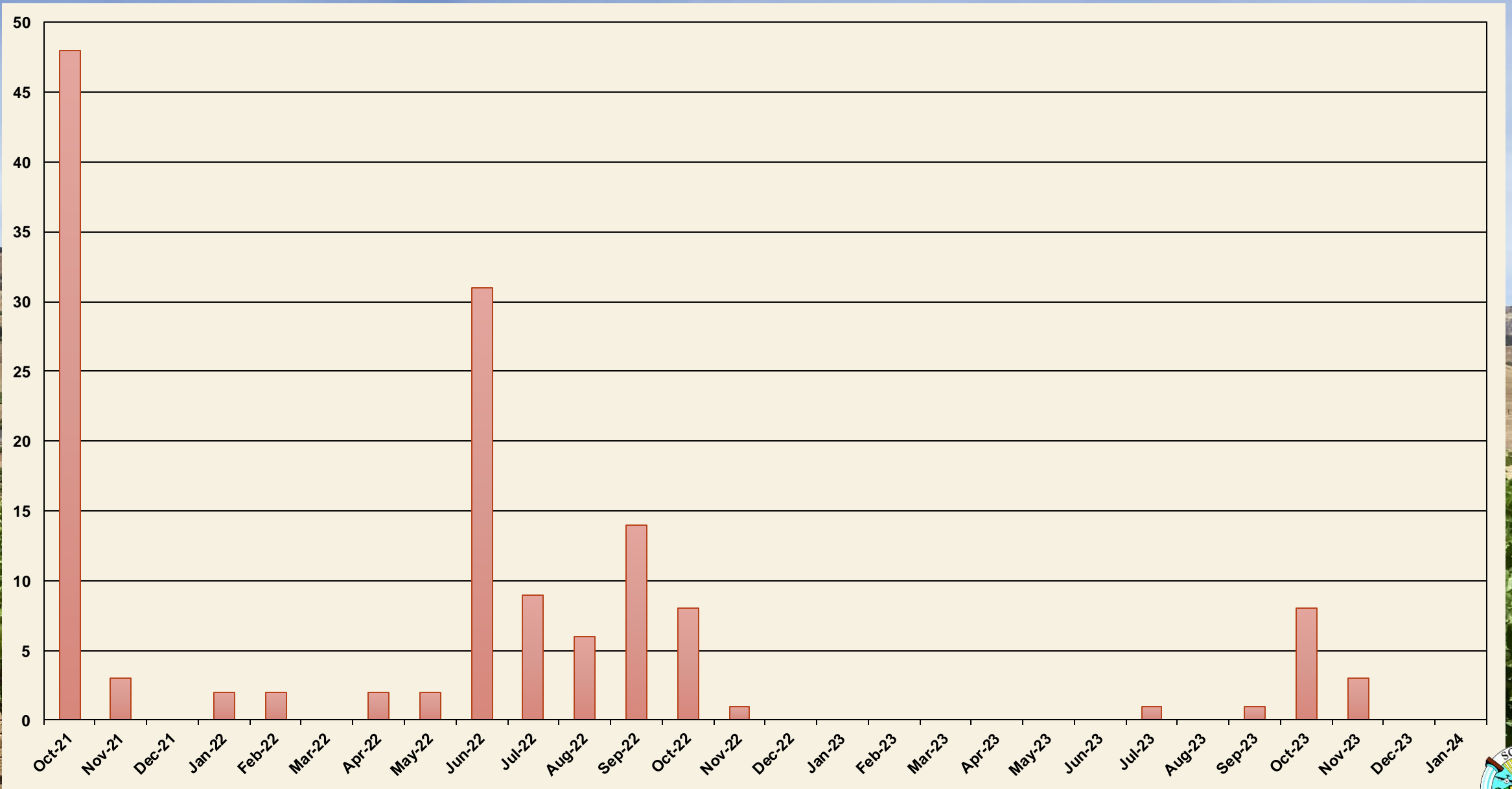
ED KING, AGRICULTURAL COMMISSIONER

Vacaville Glassy-winged Sharpshooter Eradication

- ◆ GWSS finds – 142
- ◆ Egg scars – 487
- ◆ Properties treated – 2,000
- ◆ Wasp biocontrols – 9,500
- ◆ Trap checks – 8,700



Adult GWSS Detections (October 2021 – January 2024)



Spotted Lanternfly

PEST ALERT



Keep Spotted Lanternfly Out of California



LIFE STAGES OF THE SPOTTED LANTERNFLY (*Lycorma delicatula*)



Egg Mass
Year-round



Early Nymph
Spring - Summer



Late Nymph
Summer - Fall



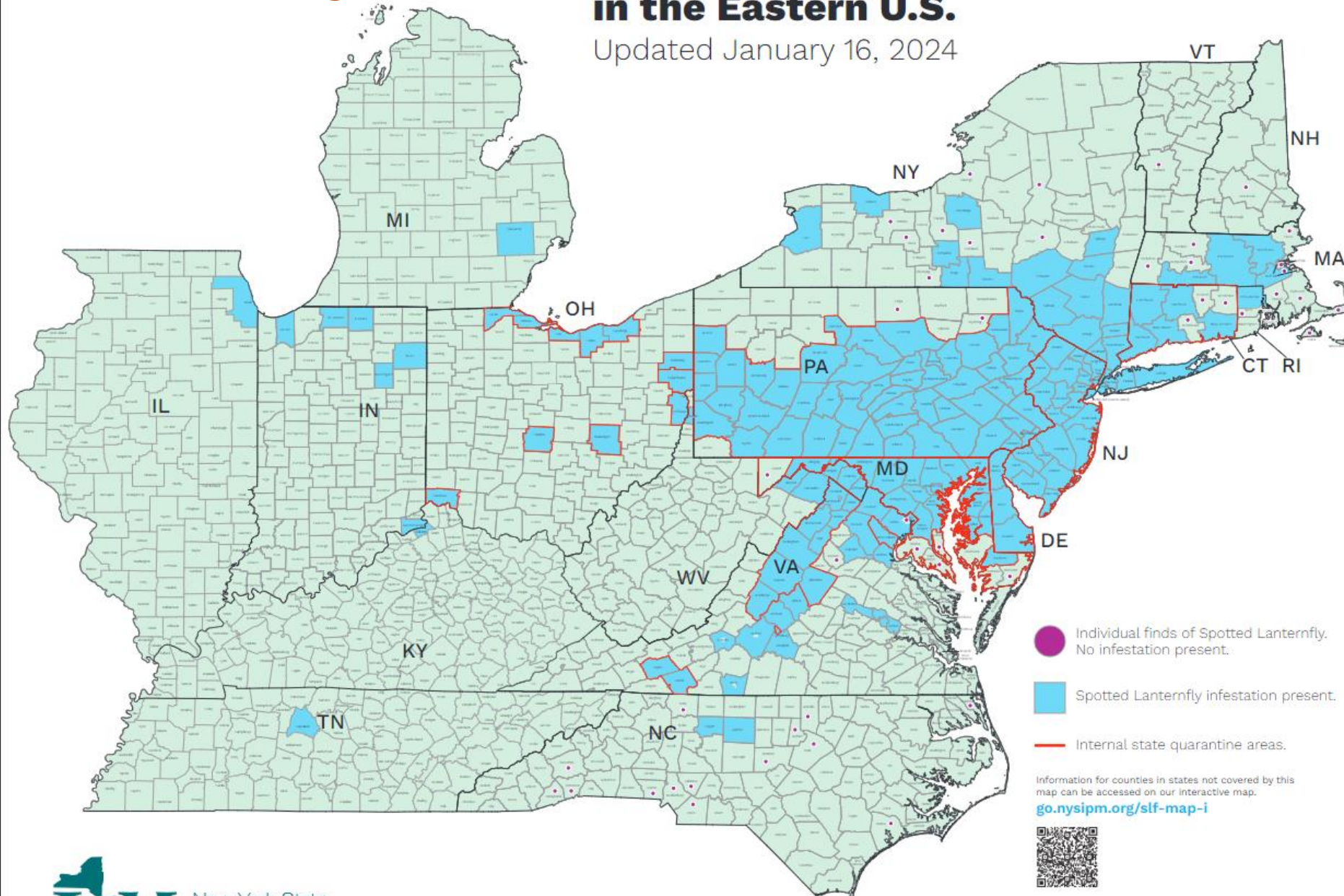
Adult
Summer - Winter



Spotted Lanternfly

Spotted Lanternfly Reported Distribution in the Eastern U.S.

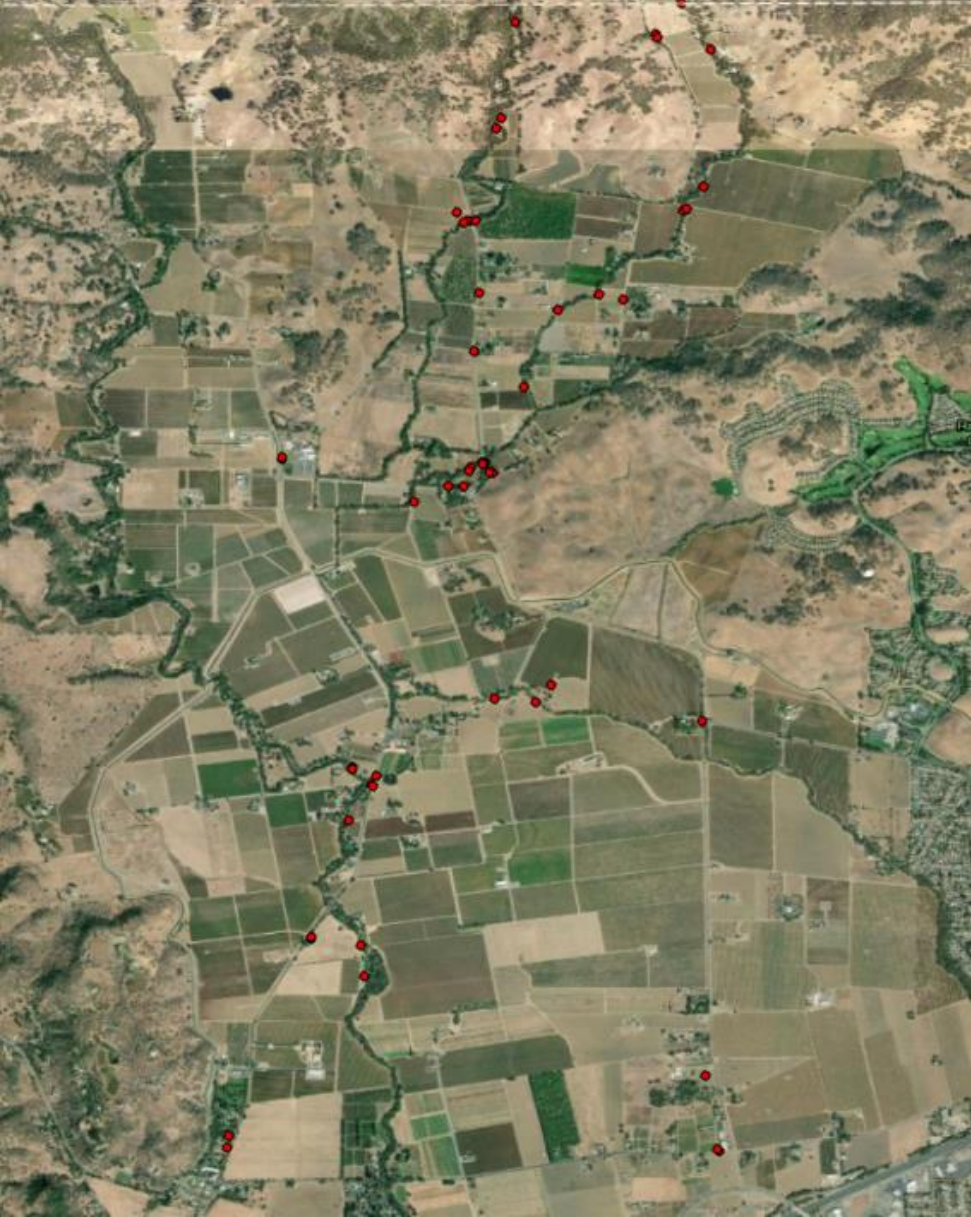
Updated January 16, 2024



Tree of Heaven



Tree of Heaven herbicide treatments



Fruit Flies

- 948 fruit fly detections in 2023
 - Medfly
 - Oriental
 - Guava
 - Peach
 - Queensland
 - Tau
- 7 active quarantine areas
- +\$22M in CDFA budget
- Local trapping to start in April and run through October

Pest Prevention Analysis

Joint CACASA, CDFA, UC and CSU initiative to improve statewide pest exclusion and detection programs

- Agriculture
- T&E species
- Forestry/fire
- Pesticide use
- High risk pathways
- Dog teams
- Economic analysis



Pesticide Issues/Regulatory Changes

- ❖ Statewide notification system
- ❖ Ag commissioner civil penalties
- ❖ Decontamination sites
- ❖ Sustainable pest management roadmap
- ❖ Certification and training
- ❖ Neonicotinoid pollinator protection



Pesticide Issues/Regulatory Changes

ACCELERATING

SUSTAINABLE PEST MANAGEMENT: EXECUTIVE SUMMARY

A ROADMAP FOR CALIFORNIA

How SPM differs from IPM:

1. Community impacts and equity
2. Water and biodiversity conservation, soil health, climate impacts
3. Broader consideration of economic impacts and benefits



Pesticide Issues/Regulatory Changes

SPM Keystone Actions:

A Prioritize Prevention

Strengthen California's commitment to pest prevention by proactively preventing the establishment of new invasive pest species, and by proactively eliminating pest-conducive conditions both in agricultural and urban settings.

B Coordinate State-Level Leadership

Create an accountable and connected leadership structure to champion SPM in the field, effectively embed SPM principles across agencies, and improve coordination.

C Invest in Building SPM Knowledge

Significantly invest in SPM-focused research and outreach so that all pest management practitioners have equal and adequate access to the support and resources necessary to develop and implement their own SPM system.

► **IN AGRICULTURAL PEST MANAGEMENT:**

Secure a significant increase in SPM-trained technical advisors and funding for SPM multi-directional research and outreach.

► **IN URBAN PEST MANAGEMENT:**

Expand funding and infrastructure for urban SPM research, innovation, and outreach to align with and reflect the volume and impacts of pesticides used in urban contexts.

D Improve California's Pesticide Registration Processes and Bring Alternative Products to Market

Create mechanisms to improve DPR's registration review process and to prioritize and expedite safer, more sustainable alternative products to high-risk pesticides, and improve processes for evaluating currently registered pesticides.

E Enhance Monitoring and Data Collection

Significantly expand and fully fund health and environmental monitoring infrastructure, data collection, and interpretation.



Pesticide Issues/Regulatory Changes

Applicator Certification & Training

Certified Private Applicators

All PAC holders need to take the revised examination

No CE credit renewal allowed until re-exam

- ◆ Last name 'R-Z' by January 1, 2024
- ◆ Last name 'A-H' by January 1, 2025
- ◆ Last name 'I-Q' by January 1, 2026

- ◆ New study guides available for loan



Pesticide Issues/Regulatory Changes

Applicator Certification & Training

Soil Fumigants

- ◆ Requires QAL/QAC with Soil Fumigation Category L (Category O no longer valid)

Non-soil Fumigants

- ◆ Post-harvest ag commodities, wine barrel and cork sanitation requires:
 - QAC/QAL with Category M
 - Microbial Pest Control (Category P) no longer valid
- ◆ Burrowing rodents only, requires:
 - PAC burrowing vertebrate certificate (supplemental exam)



Pesticide Issues/Regulatory Changes

Neonicotinoid Pollinator Protection (3 CCR 6990.1)

- (a) Application of a neonicotinoid is prohibited during bloom.
- (b) If both soil and foliar application methods are used on the same crop, or if multiple neonicotinoid active ingredients are applied to the same crop, a total maximum combined application rate of 0.3 lbs. ai/A/season may be applied provided that:
 - (1) Soil application rate must not exceed 0.2 lbs. ai/A/season; and
 - (2) Foliar application rate must not exceed 0.1 lbs. ai/A/season.



Pesticide Issues/Regulatory Changes

Neonicotinoid Pollinator Protection (3 CCR 6990.1)

(d) *If managed pollinators will be used to pollinate grapes*, an application of a neonicotinoid may be made under the application rate and timing restrictions listed in the following table:

Active Ingredient	Soil Application		Foliar Application	
	Maximum Application Rate	Required Timing	Maximum Application Rate	Required Timing
Clothianidin, Dinotefuran, Imidacloprid, or Thiamethoxam	0.2 lbs. ai/A/season	Apply only up until bud break	0.1 lbs. ai/A/season	Apply only between post-bloom (all flower hoods fallen) and harvest



Sustainable Ag Lands Conservation Grant

- ❖ \$500,000 award from Cal Strategic Growth Council
- ❖ *Strategic Initiative for Agriculture*

Spring 2024 – Fall 2026

- ❖ Economic Development Plan
- ❖ Infrastructure Assessment
- ❖ Land Use Planning
- ❖ GIS Ag Layer Updates
- ❖ Technical Committee (agencies, cities)
- ❖ Advisory Committee (growers, processors)



Emergency Ag Pass Program

Pre-approves and trains commercial ag operators to safely access evacuation areas during emergencies

Livestock, Crop Ag, Processors, Wineries

- Owner/Operators & Managerial Employees
- 10 total staff from a single approved operation may enter an evacuation area under direct supervision of an owner/operator or managerial employee



2024 Training: Tuesday, February 27, 1:00 p.m.

Register at: [SolanoCounty/AgPass](https://www.solanocounty.org/AgPass)



Other Updates

❖ Ag Pesticide Disposal

Solano RCD, Kevin Young-Lai, (707) 678-1655 x123

❖ Carl Moyer Air Quality Grants (equipment replacements)

Erik Hagstrom, Assistant Planner, (707) 784-3306

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