

California Arbovirus Surveillance Bulletin #8

Week 23 Friday, June 6, 2025



WEEKLY UPDATE

Humans

No human infections have been reported in 2025.

Dead Birds

There were no new West Nile virus (WNV) positive dead birds reported this week. In 2025, a total of 13 WNV positive dead birds have been reported from 3 counties. At this time last year, 19 WNV positive dead birds had been reported from 7 counties.

Mosquito Pools

A total of 41 new WNV positive mosquito pools were reported from 1 county: Tulare (41). In 2025, a total of 74 WNV positive mosquito pools have been reported from 3 counties. At this time last year, 52 WNV positive mosquito pools had been reported from 6 counties.

Sentinel Chickens

No seroconversions have been reported in 2025.

2024 & 2025 YTD West Nile Virus Comparisons		
	2024	2025
Total No. Dead Bird Reports	2,139	3,805
No. Positive Counties	11	6
No. Human Cases	0	0
No. Positive Dead Birds / No. Tested	19 / 446	13 / 544
No. Positive Mosquito Pools / No. Tested	52 / 11,083	74 / 10,338
No. Seroconversions / No. Tested	0 / 752	0 / 645

YTD WNV Activity by Element and County, 2025					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			5		
Riverside				1	
San Bernardino				1	
San Diego			2		
Santa Clara			6		
Tulare				72	
Totals			13	74	

California Arbovirus Surveillance Bulletin #8

Week 23 Friday, June 6, 2025

TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	0	0	0
	YTD	0	0	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	0 / 58
	YTD	13 / 544

Chicken Sera	Week	0 / 270	0 / 270	0 / 270
	YTD	0 / 645	0 / 645	0 / 645

Mosquito Pools	Week	41 / 1,406	0 / 1,406	0 / 1,406	0 / 1	0 / 1	0 / 1
	YTD	74 / 10,338	0 / 9,776	0 / 9,776	0 / 21	0 / 21	0 / 21

POSITIVES

Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Tulare	DLTA 509325	1203	Cx quinquefasciatus	Visalia	10	GRVD	06/04/2025	WNV
Tulare	DLTA 509390	1199	Cx quinquefasciatus	Visalia	19	GRVD	06/04/2025	WNV
Tulare	DLTA 509392	1037	Cx quinquefasciatus	Visalia	50	BGSENT	05/29/2025	WNV
Tulare	DLTA 509395	1206	Cx quinquefasciatus	Visalia	14	GRVD	06/04/2025	WNV
Tulare	DLTA 509467	1205	Cx quinquefasciatus	Visalia	18	GRVD	06/04/2025	WNV
Tulare	DLTA 509475	1144	Cx quinquefasciatus	Visalia	12	GRVD	06/03/2025	WNV
Tulare	DLTA 509491	1100	Cx quinquefasciatus	Farmersville	50	GRVD	05/30/2025	WNV
Tulare	DLTA 509494	1184	Cx quinquefasciatus	Exeter	50	GRVD	06/03/2025	WNV
Tulare	DLTA 509494	1185	Cx quinquefasciatus	Exeter	50	GRVD	06/03/2025	WNV
Tulare	DLTA 509527	1119	Cx quinquefasciatus	Visalia	50	BGSENT	05/30/2025	WNV
Tulare	DLTA 509563	1128	Cx quinquefasciatus	Visalia	46	GRVD	05/30/2025	WNV
Tulare	DLTA 509779	1112	Cx quinquefasciatus	Visalia	50	GRVD	05/30/2025	WNV
Tulare	DLTA 509779	1113	Cx quinquefasciatus	Visalia	39	GRVD	05/30/2025	WNV
Tulare	DLTA 509780	1142	Cx quinquefasciatus	Visalia	34	GRVD	06/03/2025	WNV
Tulare	DLTA 509826	1173	Cx quinquefasciatus	Visalia	31	BGSENT	06/03/2025	WNV
Tulare	DLTA 509868	1202	Cx quinquefasciatus	Farmersville	44	GRVD	06/04/2025	WNV
Tulare	DLTA 509877	1201	Cx quinquefasciatus	Farmersville	49	GRVD	06/04/2025	WNV
Tulare	DLTA 509889	1169	Cx quinquefasciatus	Visalia	36	BGSENT	06/03/2025	WNV
Tulare	DLTA 509894	1149	Cx quinquefasciatus	Visalia	11	GRVD	06/03/2025	WNV
Tulare	DLTA 509894	1178	Cx quinquefasciatus	Visalia	17	BGSENT	06/03/2025	WNV

California Arbovirus Surveillance Bulletin #8

Week 23 Friday, June 6, 2025

Tulare	DLTA 509899	1131	Cx quinquefasciatus	Visalia	10	BGSENT	06/03/2025	WNV
Tulare	DLTA 509902	1047	Cx quinquefasciatus	Visalia	30	BGSENT	05/29/2025	WNV
Tulare	DLTA 509918	1137	Cx quinquefasciatus	Visalia	11	GRVD	06/03/2025	WNV
Tulare	DLTA 509922	1198	Cx quinquefasciatus	Visalia	44	GRVD	06/04/2025	WNV
Tulare	DLTA 509932	1148	Cx quinquefasciatus	Visalia	12	GRVD	06/03/2025	WNV
Tulare	DLTA 509932	1189	Cx quinquefasciatus	Visalia	15	BGSENT	06/03/2025	WNV
Tulare	DLTA 509933	1200	Cx quinquefasciatus	Visalia	22	GRVD	06/04/2025	WNV
Tulare	DLTA 509935	1048	Cx quinquefasciatus	Visalia	50	GRVD	05/29/2025	WNV
Tulare	DLTA 509937	1049	Cx quinquefasciatus	Visalia	11	GRVD	05/29/2025	WNV
Tulare	DLTA 509950	1132	Cx tarsalis	Visalia	15	BGSENT	06/03/2025	WNV
Tulare	DLTA 509950	1155	Cx quinquefasciatus	Visalia	31	GRVD	06/03/2025	WNV
Tulare	DLTA 509954	1158	Cx quinquefasciatus	Visalia	48	GRVD	06/03/2025	WNV
Tulare	DLTA 509954	1191	Cx quinquefasciatus	Visalia	31	BGSENT	06/03/2025	WNV
Tulare	DLTA 509954	1192	Cx tarsalis	Visalia	50	BGSENT	06/03/2025	WNV
Tulare	DLTA 509954	1193	Cx tarsalis	Visalia	50	BGSENT	06/03/2025	WNV
Tulare	DLTA 509956	1071	Cx quinquefasciatus	Visalia	30	BGSENT	05/30/2025	WNV
Tulare	DLTA 509956	1130	Cx quinquefasciatus	Visalia	50	GRVD	05/30/2025	WNV
Tulare	DLTA 509969	1161	Cx quinquefasciatus	Visalia	37	GRVD	06/03/2025	WNV
Tulare	DLTA 509975	1102	Cx quinquefasciatus	Visalia	18	GRVD	05/30/2025	WNV
Tulare	DLTA 509991	1079	Cx quinquefasciatus	Visalia	50	GRVD	05/30/2025	WNV
Tulare	DLTA 509993	1129	Cx quinquefasciatus	Visalia	46	GRVD	05/30/2025	WNV

California Arbovirus Surveillance Bulletin #8

Week 23 Friday, June 6, 2025

TEST PROTOCOLS

Humans:

Specimens are tested by local laboratories with an IgM or IgG immunofluorescent assay (IFA) and/or an IgM enzyme immunoassay (EIA). Specimens with inconclusive results are forwarded to the California Department of Public Health Viral and Rickettsial Disease Laboratory (VRDL) for further testing with a plaque reduction neutralization test (PRNT).

Dead Birds

Oral swab samples collected from bird carcasses are tested at the UC Davis Arbovirus Research and Training laboratory (DART) or at a local agency for West Nile virus by RT-qPCR.

Sentinel Chickens:

Dried blood spot samples from sentinel chickens are tested at the California Department of Public Health Vector-Borne Disease Laboratory for IgG antibodies to West Nile, St. Louis encephalitis, and western equine encephalomyelitis viruses by an EIA. Positive samples are confirmed by IFA, western-blot, or PRNT.

Mosquito Pools:

Mosquito pools are tested at DART or at a local agency for West Nile, western equine encephalomyelitis, and St. Louis encephalitis viral RNA using a multiplex RT-qPCR. Invasive *Aedes* mosquitoes (*Ae. aegypti* and *Ae. albopictus*) are also tested at DART for chikungunya, dengue, and Zika viral RNA by a separate RT-qPCR.

Website Information: For updated information on WNV in California, please visit the California WNV website, <https://westnile.ca.gov>, or the California Vector-Borne Disease Surveillance System website, <https://maps.vectorsurv.org>.

Prepared by the Vector-Borne Disease Section (Infectious Diseases Branch), California Department of Public Health, 850 Marina Bay Parkway, Richmond, CA 94804. Questions concerning this bulletin should be addressed to Hannah Romo: Hannah.romo@cdph.ca.gov