

California Arbovirus Surveillance Bulletin #21

Week 36 Friday, September 5, 2025



WEEKLY UPDATE

Humans

West Nile virus

A total of 9 new human cases of West Nile virus (WNV) disease were reported this week from 5 counties: Fresno (1), Kern (4), Placer (1), Stanislaus (1), and Tulare (2). **This is the first case of WNV disease reported from Placer County this year.** In 2025, 31 human cases of WNV disease have been reported from 9 counties. Of the 31 cases, 28 (90%) had neuroinvasive disease and 1 (3%) was fatal. The median age of the case-patients was 66 years and 19 (61%) of the case patients were male. The dates of symptom onset ranged from June 6 to August 22. In addition to the 31 cases of WNV disease, 3 asymptomatic WNV positive blood donors have been reported from 3 counties: Fresno (1), Kern (1), and Tulare (1). At this time last year, 38 human cases of WNV disease had been reported from 15 counties.

Dengue virus

No locally acquired dengue infections have been reported in 2025. Travel associated dengue cases are indicated in the CDPH Weekly Update on Number of Dengue Infections:

<https://westnile.ca.gov/pdfs/WeeklyUpdateDengueInfectionsCA.pdf>

Dead Birds

A total of 4 new WNV positive dead birds were reported this week from 4 counties: Contra Costa (1), Fresno (1), Santa Clara (1), and Ventura (1). **This is the first detection of WNV activity in Ventura County this year.** In 2025, a total of 115 WNV positive dead birds have been reported from 17 counties. At this time last year, 391 WNV positive dead birds had been reported from 18 counties.

Mosquito Pools

West Nile virus

A total of 185 new WNV positive mosquito pools were reported from 15 counties: Butte (1), Fresno (13), Kern (8), Kings (37), Madera (23), Merced (10), Orange (16), Placer (2), Sacramento (7), San Joaquin (12), Shasta (1), Stanislaus (12), Sutter (3), Tulare (29), and Yolo (11). In 2025, a total of 2,097 WNV positive mosquito pools have been reported from 27 counties. At this time last year, 1,523 WNV positive mosquito pools had been reported from 25 counties.

St. Louis encephalitis virus

A total of 17 new St. Louis encephalitis virus (SLEV) positive mosquito pools were reported this week from 1 county: Riverside (17). In 2025, 89 SLEV positive mosquito pools have been reported from 3 counties: Fresno (1), Imperial (8), and Riverside (80). At this time last year, 18 SLEV positive mosquito pools had been reported from 5 counties.

Sentinel Chickens

A single (1) new WNV positive sentinel chicken was reported this week from 1 county: Tulare (1). In 2025, 26 WNV positive sentinel chickens have been reported from 6 counties. At this time last year, 93 WNV positive chickens had been reported from 11 counties.

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2024 & 2025 YTD West Nile Virus Comparisons		
	2024	2025
Total No. Dead Bird Reports	4,980	6,294
No. Positive Counties	30	31
No. Human Cases	38	31
No. Positive Dead Birds / No. Tested	391 / 1,434	115 / 1,379
No. Positive Mosquito Pools / No. Tested	1,523 / 35,025	2,097 / 36,088
No. Seroconversions / No. Tested	93 / 3,478	26 / 2,756

YTD WNV Activity by Element and County, 2025					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			6		
Butte	2			24	7
Colusa				1	
Contra Costa			3	1	
Fresno	2		11	102	
Imperial				1	
Inyo				1	
Kern	9		1	117	
Kings	3			117	
Lake				5	4
Los Angeles			2	69	
Madera				217	
Merced				37	
Orange			2	87	
Placer	1		5	131	
Riverside				9	
Sacramento			23	42	
San Bernardino				3	
San Diego			18	100	
San Joaquin			6	109	
Santa Barbara		1		2	
Santa Clara			25	2	
Shasta				18	
Solano			2	141	1
Stanislaus	2		1	12	
Sutter			1	690	2
Tulare	10		7	53	9
Tuolumne	1				
Ventura			1		
Yolo	1		1	6	
Yuba					3
Totals	31	1	115	2,097	26

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TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	9	0	0
	YTD	31	0	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	4 / 38
	YTD	115 / 1,379

Chicken Sera	Week	1 / 111	0 / 111	0 / 111
	YTD	26 / 2,756	0 / 2,756	0 / 2,756

Mosquito Pools	Week	185 / 1,526	17 / 1,382	0 / 1,382	0 / 0	0 / 0	0 / 0
	YTD	2,097 / 36,088	89 / 33,388	0 / 33,394	0 / 243	0 / 243	0 / 243

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Contra Costa	Contra Costa MVCD	Walnut Creek	94597	American Crow	9/2/2025	WNV
Fresno	Fresno MVCD	Fresno	93723	Unknown - songbird	9/2/2025	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95117	Common Raven	8/25/2025	WNV
Ventura	Ventura Co Env Health Dept	Simi Valley	93063	American Crow	8/23/2025	WNV

Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Butte	BUCO 113	385	Cx tarsalis	Gridley	44	CO2	08/26/2025	WNV
Fresno	CNSL 1119	342	Cx quinquefasciatus	Fresno	28	GRVD	08/28/2025	WNV
Fresno	CNSL 1289	336	Cx quinquefasciatus	Fresno	22	GRVD	08/27/2025	WNV
Fresno	CNSL 1792	339	Cx quinquefasciatus	Fresno	49	GRVD	08/28/2025	WNV
Fresno	CNSL 3134	330	Cx quinquefasciatus	Kingsburg	36	BGSENT	08/27/2025	WNV
Fresno	CNSL 5210	338	Cx quinquefasciatus	Kingsburg	50	GRVD	08/27/2025	WNV
Fresno	FRNO 112	331	Cx tarsalis	Fresno	18	BGSENT	09/03/2025	WNV
Fresno	FRNO 8	327	Cx quinquefasciatus	Fresno	50	GRVD	09/03/2025	WNV
Fresno	FRWS 1101	218	Cx tarsalis	Dos Palos	46	CO2	09/03/2025	WNV
Fresno	FRWS 200002	217	Cx tarsalis	Firebaugh	36	CO2	09/03/2025	WNV
Fresno	FRWS 300031	215	Cx tarsalis	Firebaugh	50	CO2	09/03/2025	WNV
Fresno	FRWS 4102	222	Cx tarsalis	Kerman	50	CO2	09/03/2025	WNV
Fresno	FRWS 4102	223	Cx tarsalis	Kerman	50	CO2	09/03/2025	WNV
Fresno	FRWS 5302	227	Cx tarsalis	Helm	50	CO2	09/03/2025	WNV
Kern	DLNO 246	340	Cx tarsalis	Mcfarland	50	CO2	08/19/2025	WNV
Kern	DLNO 246	342	Cx tarsalis	Mcfarland	50	CO2	08/19/2025	WNV
Kern	DLNO 246	343	Cx tarsalis	Mcfarland	50	CO2	08/19/2025	WNV
Kern	DLNO 246	344	Cx tarsalis	Mcfarland	27	CO2	08/19/2025	WNV
Kern	DLNO 246	345	Cx quinquefasciatus	Mcfarland	50	CO2	08/19/2025	WNV
Kern	DLNO 246	346	Cx quinquefasciatus	Mcfarland	31	CO2	08/19/2025	WNV
Kern	KERN 2006	369	Cx quinquefasciatus	Bakersfield	35	GRVD	08/27/2025	WNV
Kern	KERN 47	367	Cx quinquefasciatus	Buttonwillow	50	GRVD	08/26/2025	WNV

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Kings	KNGS 3028	321	Cx tarsalis	Hanford	50	CO2	08/27/2025	WNV
Kings	KNGS 3028	322	Cx tarsalis	Hanford	50	CO2	08/27/2025	WNV
Kings	KNGS 3028	323	Cx tarsalis	Hanford	49	CO2	08/27/2025	WNV
Kings	KNGS 3028	324	Cx pipiens	Hanford	50	CO2	08/27/2025	WNV
Kings	KNGS 3028	325	Cx pipiens	Hanford	50	CO2	08/27/2025	WNV
Kings	KNGS 3028	326	Cx pipiens	Hanford	50	CO2	08/27/2025	WNV
Kings	KNGS 3028	327	Cx pipiens	Hanford	50	CO2	08/27/2025	WNV
Kings	KNGS 3028	328	Cx pipiens	Hanford	31	CO2	08/27/2025	WNV
Kings	KNGS 3078	329	Cx tarsalis	Lemoore	50	CO2	08/28/2025	WNV
Kings	KNGS 3078	330	Cx tarsalis	Lemoore	50	CO2	08/28/2025	WNV
Kings	KNGS 3078	331	Cx tarsalis	Lemoore	50	CO2	08/28/2025	WNV
Kings	KNGS 3078	332	Cx tarsalis	Lemoore	50	CO2	08/28/2025	WNV
Kings	KNGS 3078	333	Cx tarsalis	Lemoore	50	CO2	08/28/2025	WNV
Kings	KNGS 3082	305	Cx tarsalis	Lemoore	50	CO2	08/26/2025	WNV
Kings	KNGS 3082	306	Cx tarsalis	Lemoore	50	CO2	08/26/2025	WNV
Kings	KNGS 3082	307	Cx tarsalis	Lemoore	50	CO2	08/26/2025	WNV
Kings	KNGS 3082	308	Cx tarsalis	Lemoore	50	CO2	08/26/2025	WNV
Kings	KNGS 3082	309	Cx tarsalis	Lemoore	50	CO2	08/26/2025	WNV
Kings	KNGS 3082	310	Cx pipiens	Lemoore	50	CO2	08/26/2025	WNV
Kings	KNGS 3082	311	Cx pipiens	Lemoore	24	CO2	08/26/2025	WNV
Kings	KNGS 3148	301	Cx pipiens	Armona	15	CO2	08/26/2025	WNV
Kings	KNGS 8008	336	Cx tarsalis	Hanford	50	CO2	08/28/2025	WNV
Kings	KNGS 8008	338	Cx tarsalis	Hanford	50	CO2	08/28/2025	WNV
Kings	KNGS 8008	339	Cx tarsalis	Hanford	50	CO2	08/28/2025	WNV
Kings	KNGS 8008	340	Cx tarsalis	Hanford	50	CO2	08/28/2025	WNV
Kings	KNGS 8008	341	Cx pipiens	Hanford	50	CO2	08/28/2025	WNV
Kings	KNGS 8008	342	Cx pipiens	Hanford	50	CO2	08/28/2025	WNV
Kings	KNGS 8008	343	Cx pipiens	Hanford	50	CO2	08/28/2025	WNV
Kings	KNGS 8008	344	Cx pipiens	Hanford	50	CO2	08/28/2025	WNV
Kings	KNGS 8008	345	Cx pipiens	Hanford	50	CO2	08/28/2025	WNV
Kings	KNGS 8010	312	Cx tarsalis	Hanford	50	CO2	08/27/2025	WNV
Kings	KNGS 8010	314	Cx tarsalis	Hanford	50	CO2	08/27/2025	WNV
Kings	KNGS 8010	315	Cx tarsalis	Hanford	50	CO2	08/27/2025	WNV
Kings	KNGS 8010	316	Cx tarsalis	Hanford	50	CO2	08/27/2025	WNV
Kings	KNGS 8010	317	Cx pipiens	Hanford	50	CO2	08/27/2025	WNV
Kings	KNGS 8010	319	Cx pipiens	Hanford	50	CO2	08/27/2025	WNV
Kings	KNGS 8010	320	Cx pipiens	Hanford	50	CO2	08/27/2025	WNV
Madera	MADR 1012	720	Cx tarsalis	Madera County	50	CO2	08/28/2025	WNV
Madera	MADR 1097	710	Cx tarsalis	Madera	22	CO2	08/26/2025	WNV
Madera	MADR 123497	709	Cx tarsalis	Ca	50	CO2	08/26/2025	WNV
Madera	MADR 12358	741	Cx tarsalis	Madera	39	CO2	08/28/2025	WNV
Madera	MADR 12364	713	Cx tarsalis	Madera	42	CO2	08/26/2025	WNV
Madera	MADR 12369	730	Cx tarsalis	Madera, Ca	22	CO2	08/29/2025	WNV
Madera	MADR 12382	744	Cx tarsalis	Madera	50	CO2	08/29/2025	WNV
Madera	MADR 12408	723	Cx tarsalis	Firebaugh	50	CO2	08/28/2025	WNV
Madera	MADR 12415	742	Cx tarsalis	Madera Acres	29	CO2	08/29/2025	WNV
Madera	MADR 12602	743	Cx tarsalis	El Nido	50	CO2	08/29/2025	WNV
Madera	MADR 12611	727	Cx tarsalis	Madera	50	CO2	08/29/2025	WNV
Madera	MADR 12633	729	Cx tarsalis	Madera	30	CO2	08/29/2025	WNV
Madera	MADR 227	714	Cx tarsalis	Madera	50	CO2	08/26/2025	WNV
Madera	MADR 237	712	Cx tarsalis	Madera	50	CO2	08/26/2025	WNV
Madera	MADR 259	715	Cx tarsalis	Madera	50	CO2	08/26/2025	WNV
Madera	MADR 276	737	Cx tarsalis	Madera	50	CO2	08/28/2025	WNV
Madera	MADR 309	731	Cx tarsalis	Madera	30	CO2	08/29/2025	WNV
Madera	MADR 311	718	Cx tarsalis	Madera	50	CO2	08/28/2025	WNV
Madera	MADR 634	708	Cx tarsalis	Madera	50	CO2	08/26/2025	WNV
Madera	MADR 726	716	Cx tarsalis	Madera	50	CO2	08/26/2025	WNV
Madera	MADR 732	711	Cx tarsalis	Madera	42	CO2	08/26/2025	WNV
Madera	MADR 758	719	Cx tarsalis	Madera	50	CO2	08/28/2025	WNV
Madera	MADR 775	734	Cx tarsalis	Madera	30	CO2	08/29/2025	WNV
Merced	MERC 1218	676	Cx tarsalis	Merced	30	CO2	08/28/2025	WNV
Merced	MERC 201523	667	Cx pipiens	Atwater	48	BGSENT	08/21/2025	WNV
Merced	MERC 201608	679	Cx pipiens	Plainsburg	50	CO2	08/28/2025	WNV
Merced	MERC 201608	680	Cx tarsalis	Plainsburg	30	CO2	08/28/2025	WNV

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Merced	MERC 337976	674	Cx pipiens	Merced	18	BGSENT	08/28/2025	WNV
Merced	MERC 446189	660	Cx pipiens	Atwater	24	BGSENT	08/21/2025	WNV
Merced	MERC 489999	669	Cx pipiens	Atwater	42	BGSENT	08/21/2025	WNV
Merced	MERC 662873	678	Cx tarsalis	Planada	30	CO2	08/28/2025	WNV
Merced	MERC 702	661	Cx pipiens	Atwater	39	CO2	08/21/2025	WNV
Merced	MERC 741576	658	Cx pipiens	Atwater	50	BGSENT	08/21/2025	WNV
Orange	ORCO 1006	2556	Cx quinquefasciatus	Cypress	32	GRVD	09/03/2025	WNV
Orange	ORCO 170	2639	Cx quinquefasciatus	Anaheim	42	GRVD	09/03/2025	WNV
Orange	ORCO 218	2569	Cx quinquefasciatus	Anaheim	19	GRVD	09/03/2025	WNV
Orange	ORCO 218	2570	Cx quinquefasciatus	Anaheim	50	GRVD	09/03/2025	WNV
Orange	ORCO 218	2574	Cx quinquefasciatus	Anaheim	11	GRVD	09/03/2025	WNV
Orange	ORCO 218	2580	Cx quinquefasciatus	Anaheim	28	GRVD	09/03/2025	WNV
Orange	ORCO 218	2602	Cx quinquefasciatus	Anaheim	12	GRVD	09/03/2025	WNV
Orange	ORCO 218	2610	Cx quinquefasciatus	Anaheim	52	GRVD	09/03/2025	WNV
Orange	ORCO 29	2678	Cx quinquefasciatus	Santa Ana	30	GRVD	09/04/2025	WNV
Orange	ORCO 29	2679	Cx quinquefasciatus	Santa Ana	30	GRVD	09/04/2025	WNV
Orange	ORCO 3	2590	Cx quinquefasciatus	Garden Grove	13	GRVD	09/03/2025	WNV
Orange	ORCO 302	2632	Cx quinquefasciatus	Anaheim	40	GRVD	09/03/2025	WNV
Orange	ORCO 337	2653	Cx quinquefasciatus	Anaheim	12	GRVD	09/03/2025	WNV
Orange	ORCO 338	2637	Cx quinquefasciatus	Anaheim	46	GRVD	09/03/2025	WNV
Orange	ORCO 349	2673	Cx quinquefasciatus	Garden Grove	16	GRVD	09/04/2025	WNV
Orange	ORCO 362	2656	Cx quinquefasciatus	Garden Grove	22	BGSENT	09/03/2025	WNV
Placer	PLCR 139	1884	Cx tarsalis	Roseville	50	CO2	09/02/2025	WNV
Placer	PLCR 719276	1847	Cx stigmatosoma	Roseville	8	CO2	09/02/2025	WNV
Riverside	COAV 0	4310	Cx tarsalis	Indio	50	CO2	09/05/2025	SLEV
Riverside	COAV 121	4311	Cx tarsalis	Mecca	50	CO2	09/05/2025	SLEV
Riverside	COAV 131	4407	Cx tarsalis	Oasis	50	CO2	09/04/2025	SLEV
Riverside	COAV 131	4408	Cx tarsalis	Oasis	50	CO2	09/04/2025	SLEV
Riverside	COAV 131	4411	Cx quinquefasciatus	Oasis	30	CO2	09/04/2025	SLEV
Riverside	COAV 2	4334	Cx tarsalis	Oasis	50	CO2	09/04/2025	SLEV
Riverside	COAV 34	4327	Cx tarsalis	Mecca	19	CO2	09/04/2025	SLEV
Riverside	COAV 37	4401	Cx quinquefasciatus	Mecca	50	CO2	09/04/2025	SLEV
Riverside	COAV 37	4404	Cx tarsalis	Mecca	50	CO2	09/04/2025	SLEV
Riverside	COAV 5	4361	Cx tarsalis	Oasis	50	CO2	09/04/2025	SLEV
Riverside	COAV 5	4362	Cx tarsalis	Oasis	50	CO2	09/04/2025	SLEV
Riverside	COAV 5	4363	Cx tarsalis	Oasis	50	CO2	09/04/2025	SLEV
Riverside	COAV 5	4364	Cx tarsalis	Oasis	50	CO2	09/04/2025	SLEV
Riverside	COAV 5	4365	Cx tarsalis	Oasis	50	CO2	09/04/2025	SLEV
Riverside	COAV 5	4366	Cx quinquefasciatus	Oasis	21	CO2	09/04/2025	SLEV
Riverside	COAV 6	4394	Cx tarsalis	Oasis	50	CO2	09/04/2025	SLEV
Riverside	COAV 6	4398	Cx quinquefasciatus	Oasis	11	CO2	09/04/2025	SLEV
Sacramento	SAYO 201006	4396	Cx tarsalis	Sacramento	50	CO2	09/03/2025	WNV
Sacramento	SAYO 202014	4433	Cx tarsalis	Elverta	50	CO2	09/03/2025	WNV
Sacramento	SAYO 204020	4422	Cx tarsalis	Sacramento	9	CO2	09/03/2025	WNV
Sacramento	SAYO 212033	4428	Cx pipiens	Sacramento, Ca	11	GRVD	09/03/2025	WNV
Sacramento	SAYO 212033	4429	Cx stigmatosoma	Sacramento, Ca	34	GRVD	09/03/2025	WNV
Sacramento	SAYO 214009	4264	Cx stigmatosoma	Carmichael	1	GRVD	08/29/2025	WNV
Sacramento	SAYO 223019	4353	Cx pipiens	Sacramento	8	GRVD	09/03/2025	WNV
San Joaquin	SJCM 8008	1974	Cx tarsalis	Manteca	50	CO2	09/03/2025	WNV
San Joaquin	SJCM 8008	1975	Cx tarsalis	Manteca	50	CO2	09/03/2025	WNV
San Joaquin	SJCM 8008	1977	Cx tarsalis	Manteca	50	CO2	09/03/2025	WNV
San Joaquin	SJCM 8018	1943	Cx tarsalis	Stockton	50	CO2	09/03/2025	WNV
San Joaquin	SJCM 8027	2028	Cx tarsalis	Stockton	45	CO2	09/03/2025	WNV
San Joaquin	SJCM 8056	1959	Cx tarsalis	Manteca	50	CO2	09/03/2025	WNV
San Joaquin	SJCM 8111	2026	Cx tarsalis	Stockton	33	CO2	09/03/2025	WNV
San Joaquin	SJCM 8206	2006	Cx tarsalis	Lodi	50	CO2	09/03/2025	WNV
San Joaquin	SJCM 8206	2009	Cx tarsalis	Lodi	50	CO2	09/03/2025	WNV
San Joaquin	SJCM 8210	2018	Cx pipiens	Escalon	50	CO2	09/03/2025	WNV
San Joaquin	SJCM 8210	2022	Cx pipiens	Escalon	35	CO2	09/03/2025	WNV
San Joaquin	SJCM 8255	1973	Cx tarsalis	Acampo	20	CO2	09/03/2025	WNV
Shasta	SHAS 10020	363	Cx tarsalis	Anderson	12	CO2	08/12/2025	WNV
Stanislaus	TRLK 1615	820	Cx pipiens	Modesto	50	CO2	09/03/2025	WNV
Stanislaus	TRLK 1615	822	Cx pipiens	Modesto	50	CO2	09/03/2025	WNV
Stanislaus	TRLK 1615	823	Cx tarsalis	Modesto	50	CO2	09/03/2025	WNV

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Stanislaus	TRLK 1615	824	Cx tarsalis	Modesto	50	CO2	09/03/2025	WNV
Stanislaus	TRLK 1673	829	Cx pipiens	Patterson	50	CO2	09/03/2025	WNV
Stanislaus	TRLK 17274	847	Cx tarsalis	Newman	50	CO2	09/03/2025	WNV
Stanislaus	TRLK 2	784	Cx tarsalis	Vernalis	29	CO2	09/03/2025	WNV
Stanislaus	TRLK 312	841	Cx tarsalis	Newman	50	CO2	09/03/2025	WNV
Stanislaus	TRLK 424	807	Cx pipiens	Patterson	50	CO2	09/03/2025	WNV
Stanislaus	TRLK 424	813	Cx tarsalis	Patterson	50	CO2	09/03/2025	WNV
Stanislaus	TRLK 9732	854	Cx tarsalis	Newman	50	CO2	09/03/2025	WNV
Stanislaus	TRLK 9768	797	Cx tarsalis	Modesto	50	CO2	09/03/2025	WNV
Sutter	SUYA 24	574	Cx tarsalis	Yuba City	16	REST	09/03/2025	WNV
Sutter	SUYA 30	577	Cx tarsalis	Live Oak	50	REST	09/02/2025	WNV
Sutter	SUYA 71	575	Cx tarsalis	Meridian	25	REST	09/03/2025	WNV
Tulare	DLNO 14	351	Cx tarsalis	Terra Bella	25	CO2	08/20/2025	WNV
Tulare	DLNO 14	352	Cx quinquefasciatus	Terra Bella	50	CO2	08/20/2025	WNV
Tulare	DLNO 228	348	Cx quinquefasciatus	Teviston	50	CO2	08/19/2025	WNV
Tulare	DLNO 228	349	Cx quinquefasciatus	Teviston	49	CO2	08/19/2025	WNV
Tulare	DLNO 228	350	Cx tarsalis	Teviston	34	CO2	08/19/2025	WNV
Tulare	DLNO 85	357	Cx quinquefasciatus	Teviston	50	CO2	08/20/2025	WNV
Tulare	DLNO 85	358	Cx quinquefasciatus	Teviston	21	CO2	08/20/2025	WNV
Tulare	DLTA 509373	3331	Cx quinquefasciatus	Dinuba	20	GRVD	09/03/2025	WNV
Tulare	DLTA 509375	3371	Cx quinquefasciatus	Dinuba	25	GRVD	09/04/2025	WNV
Tulare	DLTA 509423	3318	Cx quinquefasciatus	West Goshen	46	BGSENT	09/03/2025	WNV
Tulare	DLTA 509423	3321	Cx tarsalis	West Goshen	27	BGSENT	09/03/2025	WNV
Tulare	DLTA 509428	3334	Cx quinquefasciatus	West Goshen	39	CO2	09/03/2025	WNV
Tulare	DLTA 509428	3335	Cx stigmatosoma	West Goshen	25	CO2	09/03/2025	WNV
Tulare	DLTA 509495	3277	Cx quinquefasciatus	Visalia	14	GRVD	08/28/2025	WNV
Tulare	DLTA 509601	3345	Cx quinquefasciatus	Visalia	50	CO2	09/03/2025	WNV
Tulare	DLTA 509601	3346	Cx quinquefasciatus	Visalia	50	CO2	09/03/2025	WNV
Tulare	DLTA 509601	3348	Cx quinquefasciatus	Visalia	50	CO2	09/03/2025	WNV
Tulare	DLTA 509848	3357	Cx quinquefasciatus	Cutler-Orosi Udb	41	GRVD	09/04/2025	WNV
Tulare	DLTA 509866	3322	Cx quinquefasciatus	Visalia Uab	50	BGSENT	09/03/2025	WNV
Tulare	DLTA 509984	3293	Cx quinquefasciatus	Visalia	30	BGSENT	08/29/2025	WNV
Tulare	DLTA 509988	3311	Cx quinquefasciatus	Visalia	11	BGSENT	09/03/2025	WNV
Tulare	DLTA 512182	3306	Cx quinquefasciatus	Dinuba	30	BGSENT	08/29/2025	WNV
Tulare	TLRE 202401	147	Cx quinquefasciatus	Tulare	14	GRVD	08/22/2025	WNV
Tulare	TLRE 202402	149	Cx quinquefasciatus	Tulare	19	GRVD	08/22/2025	WNV
Tulare	TLRE 202403	157	Cx quinquefasciatus	Tulare	32	GRVD	08/26/2025	WNV
Tulare	TLRE 202404	151	Cx quinquefasciatus	Tulare	18	GRVD	08/22/2025	WNV
Tulare	TLRE 202412	153	Cx quinquefasciatus	Tulare	47	GRVD	08/22/2025	WNV
Tulare	TLRE 202415	165	Cx quinquefasciatus	Tulare	33	GRVD	08/28/2025	WNV
Tulare	TLRE 202506	159	Cx quinquefasciatus	Tulare	50	GRVD	08/28/2025	WNV
Yolo	SAYO 124007	4248	Cx tarsalis	Woodland	23	CO2	08/29/2025	WNV
Yolo	SAYO 135006	4283	Cx tarsalis	Woodland	50	CO2	08/29/2025	WNV
Yolo	SAYO 136010	4341	Cx tarsalis	Woodland	50	CO2	09/03/2025	WNV
Yolo	SAYO 145005	4348	Cx tarsalis	Davis	29	CO2	09/03/2025	WNV
Yolo	SAYO 145013	4320	Cx tarsalis	Davis	47	CO2	09/03/2025	WNV
Yolo	SAYO 146006	4336	Cx tarsalis	Davis	50	CO2	09/03/2025	WNV
Yolo	SAYO 146006	4337	Cx tarsalis	Davis	40	CO2	09/03/2025	WNV
Yolo	SAYO 438338	4307	Cx tarsalis	Woodland	50	CO2	08/29/2025	WNV
Yolo	SAYO 438340	4301	Cx tarsalis	Davis	50	CO2	08/29/2025	WNV
Yolo	SAYO 438342	4296	Cx tarsalis	Davis	50	CO2	08/29/2025	WNV
Yolo	SAYO 438344	4313	Cx tarsalis	West Sacramento	50	CO2	08/29/2025	WNV

Sentinel Chickens

County	Site Code	Nearest City	Date Bled	Virus	Band No
Tulare	TLRE 000008	Tulare	8/22/2025	WNV	1385

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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>.

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