

California Arbovirus Surveillance Bulletin #20

Week 34 Friday, August 23, 2024



WEEKLY UPDATE

Humans

West Nile virus

A total of 6 new human cases of West Nile virus (WNV) disease were reported this week from 3 counties: Butte (3), Kings (1), and Yolo (2). **These are the first human cases of WNV disease reported for Yolo County this year.** In 2024, 19 human cases of WNV disease were reported from 8 counties. Of the 19 cases, 13 (68%) had neuroinvasive disease and 3 (16%) were fatal. The median age of the case-patients was 56 years and 15 (79%) of the case-patients were male. The dates of symptom onset ranged from May 28 to August 9. In addition to the 19 cases of WNV disease, 6 asymptomatic WNV-positive blood donors have been reported from 4 counties: Butte (1), Fresno (3), San Bernardino (1), and Stanislaus (1). At this time last year, 55 human cases of WNV disease had been reported from 18 counties.

St. Louis encephalitis virus

No human cases of St. Louis encephalitis virus (SLEV) disease have been reported. At this time last year, 1 human case of SLEV disease had been reported from 1 county.

Dead Birds

A total of 35 new WNV positive dead birds were reported from 7 counties: Alameda (1), Contra Costa (2), Los Angeles (2), Sacramento (4), San Bernardino (2), Santa Clara (23), and Solano (1). **This is the first WNV positive dead bird from Solano County this year.** In 2024, 289 WNV positive dead birds have been reported from 18 counties. At this time last year, 354 WNV positive dead birds had been reported from 23 counties.

Mosquito Pools

West Nile virus

A total of 178 new WNV positive mosquito pools were reported from 21 counties: Butte (10), Contra Costa (2), Fresno (13), Kern (5), Kings (14), Lake (3), Los Angeles (19), Madera (11), Merced (2), Placer (6), Riverside (4), Sacramento (4), San Bernardino (8), San Joaquin (13), Santa Clara (9), Shasta (6), Stanislaus (4), Sutter (7), Tulare (28), Yolo (8), and Yuba (2). In 2024, 1,220 WNV positive mosquito pools have been reported from 25 counties. At this time last year, 2,797 WNV positive mosquito pools had been reported from 28 counties.

St. Louis encephalitis virus

A single (1) new SLEV positive mosquito pool was reported from 1 county: Fresno (1). In 2024, 14 SLEV positive mosquito pools have been reported from 3 counties: Fresno (10), Imperial (1), and Tulare (3). At this time last year, 262 SLEV positive mosquito pools had been reported from 11 counties.

Sentinel Chickens

A total of 26 new WNV positive chickens were reported this week from 7 counties: Butte (8), Lake (2), Merced (6), Solano (1), Sutter (7), Tehama (1), and Yuba (1). **This is the first WNV positive chicken and the first report of WNV activity in Tehama County this year.** In 2024, 75 WNV positive sentinel chickens have been reported from 9 counties. At this time last year, 102 WNV positive chickens had been reported from 14 counties.

California Arbovirus Surveillance Bulletin #20

Week 34 Friday, August 23, 2024

2023 & 2024 YTD West Nile Virus Comparisons		
	2023	2024
Total No. Dead Bird Reports	4,372	4,535
No. Positive Counties	36	29
No. Human Cases	55	19
No. Positive Dead Birds / No. Tested	354 / 1,237	289 / 1,284
No. Positive Mosquito Pools / No. Tested	2,797 / 34,886	1,220 / 31,531
No. Seroconversions / No. Tested	102 / 2,617	75 / 3,017

YTD WNV Activity by Element and County, 2024					
County	Humans	Horses	Dead Birds	Mosquito Pools	Sentinel Chickens
Alameda			33	16	
Butte	7		4	53	19
Colusa			1		
Contra Costa	1		6	6	8
Fresno	1			153	
Imperial				2	
Kern				35	
Kings	2			45	
Lake			1	12	5
Los Angeles			8	74	
Madera				40	
Merced				18	11
Orange	0		1	16	
Placer		1	1	61	
Riverside	2		2	205	
Sacramento		1	53	42	
San Bernardino			8	65	
San Diego			2		
San Joaquin		1	5	121	
San Mateo			14		
Santa Clara	2		146	27	
Shasta				23	
Solano			1	6	5
Stanislaus				27	
Sutter				29	13
Tehama					1
Tulare				78	6
Yolo	2		1	37	
Yuba	2	1	2	29	7
Totals	19	4	289	1,220	75

California Arbovirus Surveillance Bulletin #20

Week 34 Friday, August 23, 2024

TESTING SUMMARIES

		WNV	SLEV	WEEV
Human Cases	Week	6	0	0
	YTD	19	0	0

Positive / Total Tested					
WNV	SLEV	WEEV	CHIK	DENV	ZIKA

Dead Birds	Week	35 / 55
	YTD	289 / 1,284

Chicken Sera	Week	26 / 288	0 / 288	0 / 288
	YTD	75 / 3,017	0 / 3,017	0 / 3,017

Mosquito Pools	Week	178 / 1,382	1 / 1,382	0 / 1,382	0 / 21	0 / 21	0 / 21
	YTD	1,220 / 31,531	14 / 29,451	0 / 29,474	0 / 514	0 / 514	0 / 514

POSITIVES

Dead Birds

County	Submitting Agency	City	Zip Code	Species	Date Reported	Virus
Alameda	Alameda Co MAD	Union City	94587	American Crow	8/22/2024	WNV
Contra Costa	Contra Costa MVCD	San Ramon	94583	American Crow	8/13/2024	WNV
Contra Costa	Contra Costa MVCD	Brentwood	94513	California Scrub-Jay	8/17/2024	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Long Beach	90815	American Crow	8/14/2024	WNV
Los Angeles	Greater Los Angeles Co VCD - SFS	Norwalk	90650	Unknown - Crow or Raven	8/16/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Fair Oaks	95628	American Crow	8/15/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95817	Parakeet	8/15/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95829	Mourning Dove	8/18/2024	WNV
Sacramento	Sacramento-Yolo MVCD	Sacramento	95831	American Crow	8/19/2024	WNV
San Bernardino	San Bernardino Vector Control Program	San Bernardino	92407	House Finch	8/9/2024	WNV
San Bernardino	West Valley MVCD	Ontario	91764	American Crow	8/22/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Gatos	95032	American Crow	8/14/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95129	Unknown - Crow or Raven	8/14/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95123	American Crow	8/15/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95136	American Crow	8/15/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95132	American Crow	8/15/2024	WNV
Santa Clara	Santa Clara Co VCD	Cupertino	95014	American Crow	8/16/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/17/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95129	Unknown	8/19/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95131	Unknown	8/19/2024	WNV
Santa Clara	Santa Clara Co VCD	Santa Clara	95053	Unknown	8/19/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95124	Unknown	8/19/2024	WNV
Santa Clara	Santa Clara Co VCD	Mountain View	94040	Unknown	8/19/2024	WNV
Santa Clara	Santa Clara Co VCD	Los Gatos	95032	Unknown	8/19/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/19/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94303	American Crow	8/19/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94306	American Crow	8/19/2024	WNV

California Arbovirus Surveillance Bulletin #20

Week 34 Friday, August 23, 2024

Santa Clara	Santa Clara Co VCD	San Jose	95124	Unknown	8/19/2024	WNV
Santa Clara	Santa Clara Co VCD	Palo Alto	94301	American Crow	8/20/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95124	American Crow	8/20/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95129	Unknown - Crow or Raven	8/20/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95123	Unknown	8/21/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95148	American Crow	8/21/2024	WNV
Santa Clara	Santa Clara Co VCD	San Jose	95123	American Crow	8/21/2024	WNV
Solano	Solano Co MAD	Vacaville	95687	White-tailed Kite	8/15/2024	WNV

Mosquito Pools

County	Site	Pool No	Species	City	Pool Size	Trap	Collected	Virus
Butte	BUCO 11	284	Cx tarsalis	Oroville	50	CO2	8/14/2024	WNV
Butte	BUCO 116	301	Cx tarsalis	Nelson	50	CO2	8/13/2024	WNV
Butte	BUCO 175	281	Cx tarsalis	Gridley	50	CO2	8/13/2024	WNV
Butte	BUCO 176	272	Cx tarsalis	Gridley	50	CO2	8/12/2024	WNV
Butte	BUCO 176	273	Cx tarsalis	Gridley	50	CO2	8/12/2024	WNV
Butte	BUCO 29	304	Cx tarsalis	Dayton	50	CO2	8/14/2024	WNV
Butte	BUCO 29	305	Cx tarsalis	Dayton	50	CO2	8/14/2024	WNV
Butte	BUCO 29	306	Cx tarsalis	Dayton	50	CO2	8/14/2024	WNV
Butte	BUCO 29	307	Cx tarsalis	Dayton	50	CO2	8/14/2024	WNV
Butte	BUCO 91	274	Cx tarsalis	Biggs	50	CO2	8/12/2024	WNV
Contra Costa	CNTR 7402	1384	Cx pipiens	Oakley	33	CO2	8/20/2024	WNV
Contra Costa	CNTR 951799	1357	Cx tarsalis	Martinez	50	CO2	8/20/2024	WNV
Fresno	CNSL 1353	925	Cx quinquefasciatus	Fresno	41	GRVD	8/15/2024	WNV
Fresno	CNSL 3045	205	Cx quinquefasciatus	Reedley	49	GRVD	8/13/2024	WNV
Fresno	CNSL 3045	206	Cx stigmatosoma	Reedley	17	GRVD	8/13/2024	WNV
Fresno	CNSL 4366	210	Cx quinquefasciatus	Fowler	50	GRVD	8/16/2024	WNV
Fresno	CNSL 4375	211	Cx quinquefasciatus	Fowler	50	GRVD	8/16/2024	WNV
Fresno	CNSL 5292	512	Cx quinquefasciatus	Laton	37	GRVD	8/14/2024	WNV
Fresno	FRNO 172	475	Cx quinquefasciatus	Fresno	33	GRVD	8/12/2024	WNV
Fresno	FRNO 182	495	Cx quinquefasciatus	Fresno	20	GRVD	8/20/2024	WNV
Fresno	FRNO 229	474	Cx quinquefasciatus	Fresno	40	GRVD	8/12/2024	WNV
Fresno	FRNO 27	485	Cx quinquefasciatus	Fresno	32	GRVD	8/15/2024	SLEV
Fresno	FRNO 289	494	Cx quinquefasciatus	Fresno	18	GRVD	8/20/2024	WNV
Fresno	FRNO 32	472	Cx quinquefasciatus	Fresno	35	GRVD	8/12/2024	WNV
Fresno	FRWS 300028	155	Cx tarsalis	Firebaugh	14	CO2	8/20/2024	WNV
Fresno	FRWS 4102	171	Cx tarsalis	Kerman	50	CO2	8/20/2024	WNV
Kern	KERN 110	314	Cx quinquefasciatus	Bakersfield	39	CO2	8/13/2024	WNV
Kern	KERN 3026	317	Cx quinquefasciatus	Arvin	50	CO2	8/13/2024	WNV
Kern	KERN 3027	316	Cx tarsalis	Arvin	37	CO2	8/13/2024	WNV
Kern	KERN 31	313	Cx tarsalis	Arvin	44	CO2	8/13/2024	WNV
Kern	KERN 36	315	Cx quinquefasciatus	Bakersfield	41	CO2	8/13/2024	WNV
Kings	KNGS 3018	123	Cx tarsalis	Lemoore	43	CO2	8/15/2024	WNV
Kings	KNGS 3028	119	Cx pipiens	Hanford	29	CO2	8/14/2024	WNV
Kings	KNGS 3078	138	Cx tarsalis	Lemoore	50	CO2	8/16/2024	WNV
Kings	KNGS 3078	141	Cx pipiens	Lemoore	37	CO2	8/16/2024	WNV
Kings	KNGS 3082	134	Cx tarsalis	Lemoore	50	CO2	8/16/2024	WNV
Kings	KNGS 3082	136	Cx tarsalis	Lemoore	28	CO2	8/16/2024	WNV
Kings	KNGS 3098	133	Cx tarsalis	Hardwick	32	CO2	8/16/2024	WNV
Kings	KNGS 3127	127	Cx tarsalis	Corcoran	42	CO2	8/15/2024	WNV
Kings	KNGS 8010	120	Cx tarsalis	Hanford	50	CO2	8/14/2024	WNV
Kings	KNGS 8010	122	Cx tarsalis	Hanford	50	CO2	8/14/2024	WNV
Kings	KNGS 8022	129	Cx tarsalis	Lemoore	50	CO2	8/16/2024	WNV
Kings	KNGS 8022	130	Cx tarsalis	Lemoore	50	CO2	8/16/2024	WNV
Kings	KNGS 8022	131	Cx tarsalis	Lemoore	43	CO2	8/16/2024	WNV
Kings	KNGS 8022	132	Cx pipiens	Lemoore	27	CO2	8/16/2024	WNV
Lake	LAKE 130	288	Cx tarsalis	Lower Lake	50	CO2	8/21/2024	WNV
Lake	LAKE 130	292	Cx tarsalis	Lower Lake	50	CO2	8/21/2024	WNV
Lake	LAKE 131	293	Cx tarsalis	Lower Lake	50	CO2	8/21/2024	WNV
Los Angeles	GRLA 2023	5733	Cx quinquefasciatus	Reseda	26	BGSENT	8/14/2024	WNV
Los Angeles	GRLA 2031	5732	Cx quinquefasciatus	Northridge	40	GRVD	8/14/2024	WNV
Los Angeles	GRLA 2032	5731	Cx quinquefasciatus	Northridge	50	GRVD	8/14/2024	WNV
Los Angeles	GRLA 2247	620	Cx quinquefasciatus	Pico Rivera	50	GRVD	8/15/2024	WNV
Los Angeles	GRLA 2540	5735	Cx quinquefasciatus	Porter Ranch	43	GRVD	8/14/2024	WNV
Los Angeles	GRLA 2555	5728	Cx quinquefasciatus	Encino	50	GRVD	8/14/2024	WNV

California Arbovirus Surveillance Bulletin #20

Week 34 Friday, August 23, 2024

Los Angeles	GRLA 2614	5746	Cx quinquefasciatus	Santa Clarita	50	GRVD	8/16/2024	WNV
Los Angeles	GRLA 2635	5725	Cx quinquefasciatus	Lake Balboa	50	GRVD	8/14/2024	WNV
Los Angeles	GRLA 2636	5727	Cx quinquefasciatus	Lake Balboa	43	GRVD	8/14/2024	WNV
Los Angeles	GRLA 2669	5752	Cx quinquefasciatus	Granada Hills	28	GRVD	8/16/2024	WNV
Los Angeles	GRLA 3041	617	Cx quinquefasciatus	Artesia	16	GRVD	8/15/2024	WNV
Los Angeles	GRLA 3067	603	Cx quinquefasciatus	Gardena	50	GRVD	8/14/2024	WNV
Los Angeles	GRLA 3069	5719	Cx quinquefasciatus	Valley Village	50	GRVD	8/13/2024	WNV
Los Angeles	SGVA 1022	578	Cx quinquefasciatus	Azusa	40	GRVD	8/21/2024	WNV
Los Angeles	SGVA 1076	573	Cx quinquefasciatus	Pomona	50	GRVD	8/20/2024	WNV
Los Angeles	SGVA 286	592	Cx quinquefasciatus	Baldwin Park	19	GRVD	8/22/2024	WNV
Los Angeles	SGVA 377	590	Cx quinquefasciatus	Baldwin Park	50	GRVD	8/22/2024	WNV
Los Angeles	SGVA 450	563	Cx quinquefasciatus	La Puente	50	GRVD	8/20/2024	WNV
Los Angeles	SGVA 987	567	Cx quinquefasciatus	El Monte	50	GRVD	8/20/2024	WNV
Madera	MADR 1012	448	Cx tarsalis	Madera County	50	CO2	8/16/2024	WNV
Madera	MADR 12354	444	Cx quinquefasciatus	Madera	50	CO2	8/16/2024	WNV
Madera	MADR 12360	445	Cx quinquefasciatus	Madera	50	CO2	8/16/2024	WNV
Madera	MADR 12361	424	Cx tarsalis	Madera	19	CO2	8/15/2024	WNV
Madera	MADR 12363	449	Cx tarsalis	Madera	50	CO2	8/16/2024	WNV
Madera	MADR 198	432	Cx tarsalis	Madera	50	CO2	8/16/2024	WNV
Madera	MADR 227	429	Cx tarsalis	Madera	38	CO2	8/15/2024	WNV
Madera	MADR 237	430	Cx quinquefasciatus	Madera	50	CO2	8/15/2024	WNV
Madera	MADR 704	435	Cx quinquefasciatus	Madera	50	CO2	8/16/2024	WNV
Madera	MADR 726	428	Cx tarsalis	Madera	50	CO2	8/15/2024	WNV
Madera	MADR 762	431	Cx tarsalis	Madera	49	CO2	8/16/2024	WNV
Merced	MERC 489999	335	Cx pipiens	Atwater	25	BGSENT	8/20/2024	WNV
Merced	MERC 741576	338	Cx pipiens	Atwater	18	BGSENT	8/20/2024	WNV
Placer	PLCR 139	1066	Cx tarsalis	Roseville	50	CO2	8/20/2024	WNV
Placer	PLCR 139	1067	Cx tarsalis	Roseville	50	CO2	8/20/2024	WNV
Placer	PLCR 139	1068	Cx tarsalis	Roseville	50	CO2	8/20/2024	WNV
Placer	PLCR 191218	1104	Cx tarsalis	Roseville	50	CO2	8/20/2024	WNV
Placer	PLCR 197802	1082	Cx tarsalis	Elverta	17	CO2	8/20/2024	WNV
Placer	PLCR 466642	1074	Cx tarsalis	Roseville	39	CO2	8/20/2024	WNV
Riverside	COAV 30	4725	Cx quinquefasciatus	Thermal	50	CO2	8/20/2024	WNV
Riverside	NWST 224	236	Cx quinquefasciatus	Eastvale	44	GRVD	8/14/2024	WNV
Riverside	NWST 331	238	Cx quinquefasciatus	Riverside	23	GRVD	8/15/2024	WNV
Riverside	NWST 442	235	Cx quinquefasciatus	Corona	18	GRVD	8/8/2024	WNV
Sacramento	SAYO 204051	3490	Cx tarsalis	Citrus Heights	6	CO2	8/16/2024	WNV
Sacramento	SAYO 204051	3491	Cx pipiens	Citrus Heights	4	GRVD	8/16/2024	WNV
Sacramento	SAYO 242004	3577	Cx tarsalis	Elk Grove	29	CO2	8/16/2024	WNV
Sacramento	SAYO 243009	3613	Cx pipiens	Elk Grove	6	CO2	8/20/2024	WNV
San Bernardino	SANB 195	282	Cx quinquefasciatus	Colton	50	GRVD	8/15/2024	WNV
San Bernardino	SANB 37	245	Cx tarsalis	San Bernardino	50	CO2	8/2/2024	WNV
San Bernardino	SANB 37	263	Cx quinquefasciatus	San Bernardino	50	GRVD	8/6/2024	WNV
San Bernardino	SANB 37	264	Cx quinquefasciatus	San Bernardino	50	GRVD	8/6/2024	WNV
San Bernardino	SANB 37	269	Cx tarsalis	San Bernardino	50	CO2	8/13/2024	WNV
San Bernardino	WVAL 5795	1731	Cx quinquefasciatus	Chino	50	BGSENT	8/22/2024	WNV
San Bernardino	WVAL 5798	1732	Cx quinquefasciatus	Chino	50	BGSENT	8/22/2024	WNV
San Bernardino	WVAL 6237	1733	Cx quinquefasciatus	Rancho Cucamonga	6	BGSENT	8/22/2024	WNV
San Joaquin	SJCM 8010	1304	Cx tarsalis	Ripon	54	CO2	8/20/2024	WNV
San Joaquin	SJCM 8010	1305	Cx pipiens	Ripon	39	CO2	8/20/2024	WNV
San Joaquin	SJCM 8018	1294	Cx tarsalis	Stockton	50	CO2	8/20/2024	WNV
San Joaquin	SJCM 8022	1346	Cx tarsalis	Holt	50	CO2	8/20/2024	WNV
San Joaquin	SJCM 8027	1310	Cx tarsalis	Stockton	50	CO2	8/20/2024	WNV
San Joaquin	SJCM 8027	1312	Cx pipiens	Stockton	6	CO2	8/20/2024	WNV
San Joaquin	SJCM 8056	1365	Cx tarsalis	Manteca	31	CO2	8/20/2024	WNV
San Joaquin	SJCM 8056	1374	Cx tarsalis	Manteca	23	CO2	8/20/2024	WNV
San Joaquin	SJCM 8201	1313	Cx tarsalis	Lockford	23	CO2	8/20/2024	WNV
San Joaquin	SJCM 8206	1368	Cx tarsalis	Lodi	100	CO2	8/20/2024	WNV
San Joaquin	SJCM 8206	1377	Cx tarsalis	Lodi	100	CO2	8/20/2024	WNV
San Joaquin	SJCM 8210	1339	Cx tarsalis	Escalon	33	CO2	8/20/2024	WNV
San Joaquin	SJCM 8233	1329	Cx tarsalis	Stockton	17	CO2	8/20/2024	WNV
Santa Clara	STCL 30943	2330	Cx pipiens	San Jose	7	GRVD	8/16/2024	WNV
Santa Clara	STCL 30946	2333	Cx pipiens	San Jose	7	GRVD	8/16/2024	WNV
Santa Clara	STCL 31438	2351	Cx pipiens	San Jose	6	GRVD	8/16/2024	WNV
Santa Clara	STCL 31439	2348	Cx pipiens	San Jose	14	GRVD	8/16/2024	WNV
Santa Clara	STCL 31466	2466	Cx pipiens	San Jose	15	GRVD	8/21/2024	WNV

California Arbovirus Surveillance Bulletin #20

Week 34 Friday, August 23, 2024

Santa Clara	STCL 31726	2392	Cx pipiens	Sunnyvale	1	CO2	8/16/2024	WNV
Santa Clara	STCL 31853	2352	Cx pipiens	Sunnyvale	5	GRVD	8/16/2024	WNV
Santa Clara	STCL 31868	2364	Cx tarsalis	San Jose	2	GRVD	8/16/2024	WNV
Santa Clara	STCL 468177	2470	Cx tarsalis	San Jose	5	CO2	8/16/2024	WNV
Shasta	SHAS 20040	598	Cx tarsalis	Redding	40	CO2	8/21/2024	WNV
Shasta	SHAS 323	612	Cx tarsalis	Redding	24	CO2	8/21/2024	WNV
Shasta	SHAS 618	591	Cx tarsalis	Anderson	34	CO2	8/20/2024	WNV
Shasta	SHAS 620	608	Cx tarsalis	Redding	18	CO2	8/21/2024	WNV
Shasta	SHAS 917	573	Cx tarsalis	Redding	42	CO2	8/20/2024	WNV
Shasta	SHAS 93	582	Cx tarsalis	Anderson	45	CO2	8/20/2024	WNV
Stanislaus	EAST 2021	24071	Cx pipiens	Modesto	57	GRVD	8/13/2024	WNV
Stanislaus	TRLK 1673	500	Cx tarsalis	Patterson	23	CO2	8/20/2024	WNV
Stanislaus	TRLK 24288	467	Cx pipiens	Turlock	50	CO2	8/15/2024	WNV
Stanislaus	TRLK 424	496	Cx pipiens	Patterson	50	CO2	8/20/2024	WNV
Sutter	SUYA 14	392	Cx tarsalis	Sutter	50	REST	8/13/2024	WNV
Sutter	SUYA 14	410	Cx tarsalis	Sutter	18	REST	8/20/2024	WNV
Sutter	SUYA 15	390	Cx tarsalis	Robbins	22	REST	8/15/2024	WNV
Sutter	SUYA 15	401	Cx tarsalis	Robbins	50	CO2	8/20/2024	WNV
Sutter	SUYA 15	407	Cx tarsalis	Robbins	16	REST	8/20/2024	WNV
Sutter	SUYA 20	378	Cx tarsalis	Meridian	42	CO2	8/13/2024	WNV
Sutter	SUYA 24	408	Cx tarsalis	Yuba City	12	REST	8/20/2024	WNV
Tulare	DLTA 632263	2661	Cx quinquefasciatus	Delft Colony	10	CO2	8/20/2024	WNV
Tulare	DLTA 632263	2662	Cx tarsalis	Delft Colony	15	CO2	8/20/2024	WNV
Tulare	DLTA 640412	2570	Cx quinquefasciatus	Dinuba	50	CO2	8/13/2024	WNV
Tulare	DLTA 640412	2572	Cx stigmatosoma	Dinuba	17	CO2	8/13/2024	WNV
Tulare	DLTA 6407	2602	Cx quinquefasciatus	Dinuba	50	GRVD	8/14/2024	WNV
Tulare	DLTA 6408	2617	Cx quinquefasciatus	Dinuba	14	GRVD	8/15/2024	WNV
Tulare	DLTA 64082	2607	Cx quinquefasciatus	Dinuba	39	GRVD	8/14/2024	WNV
Tulare	DLTA 64082	2610	Cx quinquefasciatus	Dinuba	12	BGSENT	8/14/2024	WNV
Tulare	DLTA 64174	2618	Cx quinquefasciatus	Dinuba	11	GRVD	8/15/2024	WNV
Tulare	DLTA 6518	2609	Cx quinquefasciatus	Cutler	45	GRVD	8/14/2024	WNV
Tulare	DLTA 73024	2605	Cx quinquefasciatus	Dinuba	17	GRVD	8/14/2024	WNV
Tulare	DLTA 83222	2586	Cx tarsalis	Goshen	20	BGSENT	8/14/2024	WNV
Tulare	DLTA 83222	2587	Cx stigmatosoma	Goshen	44	BGSENT	8/14/2024	WNV
Tulare	DLTA 83222	2588	Cx quinquefasciatus	Goshen	50	BGSENT	8/14/2024	WNV
Tulare	DLTA 84133	2636	Cx quinquefasciatus	Visalia	39	BGSENT	8/15/2024	WNV
Tulare	DLTA 84194	2656	Cx quinquefasciatus	Visalia	40	GRVD	8/16/2024	WNV
Tulare	DLTA 84223	2626	Cx quinquefasciatus	Visalia	27	GRVD	8/15/2024	WNV
Tulare	DLTA 84223	2635	Cx quinquefasciatus	Visalia	49	BGSENT	8/15/2024	WNV
Tulare	DLTA 84224	2645	Cx quinquefasciatus	Visalia	44	BGSENT	8/16/2024	WNV
Tulare	DLTA 8423	2651	Cx quinquefasciatus	Visalia	17	GRVD	8/16/2024	WNV
Tulare	DLTA 84231	2683	Cx quinquefasciatus	Visalia	31	BGSENT	8/20/2024	WNV
Tulare	DLTA 8424	2567	Cx quinquefasciatus	Visalia	27	BGSENT	8/13/2024	WNV
Tulare	DLTA 95014	2675	Cx quinquefasciatus	Farmersville	50	GRVD	8/20/2024	WNV
Tulare	DLTA 9512	2620	Cx quinquefasciatus	Farmersville	37	GRVD	8/15/2024	WNV
Tulare	TLRE 192434	84	Cx quinquefasciatus	Tulare	37	GRVD	8/9/2024	WNV
Tulare	TLRE 202404	86	Cx quinquefasciatus	Tulare	50	GRVD	8/13/2024	WNV
Tulare	TLRE 202410	88	Cx quinquefasciatus	Tulare	42	GRVD	8/13/2024	WNV
Tulare	TLRE 202518	90	Cx quinquefasciatus	Tulare	50	GRVD	8/15/2024	WNV
Yolo	SAYO 103007	3720	Cx tarsalis	Dunnigan	50	CO2	8/20/2024	WNV
Yolo	SAYO 114001	3674	Cx tarsalis	Zamora	50	CO2	8/20/2024	WNV
Yolo	SAYO 115008	3750	Cx tarsalis	Woodland	50	CO2	8/20/2024	WNV
Yolo	SAYO 123005	3550	Cx tarsalis	Madison	16	CO2	8/16/2024	WNV
Yolo	SAYO 146006	3726	Cx tarsalis	Davis	50	CO2	8/20/2024	WNV
Yolo	SAYO 147013	3702	Cx pipiens	West Sacramento	9	GRVD	8/20/2024	WNV
Yolo	SAYO 344666	3665	Cx tarsalis	Woodland	38	CO2	8/20/2024	WNV
Yolo	SAYO 412130	3687	Cx tarsalis	Davis	15	CO2	8/20/2024	WNV
Yuba	SUYA 10	415	Cx tarsalis	Olivehurst	28	CO2	8/21/2024	WNV
Yuba	SUYA 4	416	Cx tarsalis	Wheatland	50	CO2	8/21/2024	WNV

California Arbovirus Surveillance Bulletin #20

Week 34 Friday, August 23, 2024

Sentinel Chickens

County	Site Code	Nearest City	Date Bled	Virus	Band 01	Band 02	Band 03	Band 04
Butte	BUCO 2	Oroville	8/14/2024	WNV	2207			
Butte	BUCO 3	Oroville	8/14/2024	WNV	2215	2217		
Butte	BUCO 5	Honcut	8/14/2024	WNV	2226	2230		
Butte	BUCO 6	Chico	8/14/2024	WNV	2231	2232	2234	
Lake	LAKE 226	Lower Lake	8/14/2024	WNV	2987			
Lake	LAKE 1000	Upper Lake	8/14/2024	WNV	2998			
Merced	MERC 6	Merced	8/16/2024	WNV	2366	2367	2368	
Merced	MERC 502	Hilmar	8/16/2024	WNV	2386	2388		
Merced	MERC 1302	Los Banos	8/16/2024	WNV	2374			
Solano	SOLA 15	Winters	8/12/2024	WNV	3255			
Sutter	SUYA 20	Meridian	8/15/2024	WNV	3319			
Sutter	SUYA 15	Robbins	8/15/2024	WNV	3324	3325		
Sutter	SUYA 30	Live Oak	8/15/2024	WNV	3304	3305	3306	3307
Tehama	TEHA 1	Red Bluff	8/14/2024	WNV	3343			
Yuba	SUYA 7	Marysville	8/15/2024	WNV	3300			

California Arbovirus Surveillance Bulletin #20

Week 34 Friday, August 23, 2024

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