

WEST NILE VIRUS ACTIVITY 2018



MOSQUITO DATA

FROM 8/26/18 - 9/08/18

ARBOVIRAL DISEASES INCLUDE: ZIKA, DENGUE, MALARIA, AND CHIKAGUNYA

COLLECTED FROM DAWSON, PHELPS, AND BUFFALO COUNTIES

Each week, mosquito trappers in our district send mosquitoes to Nebraska DHHS for identification, counting, pooling. Then DHHS sends the mosquitoes to Nebraska Public Health Lab at UNMC in Omaha for testing. Overall, 156 pools in 28 counties are tested for viruses carried by mosquitoes. These mosquitoes are tested for the West Nile Virus in order to track the spread of the disease.

COLLECTION WEEK	STARTING	ENDING	# OF POSITIVE CASES	TWO RIVERS	NEBRASKA
WEEKS 22 & 23	5/11/18	6/9/18	HUMAN CASES OF WEST NILE	3 clinical cases, and 1 asymptomatic blood donor	123 clinical cases, 38 asymptomatic blood donor cases
WEEKS 23 & 24	6/3/18	6/16/18	EQUINE AND BIRD CASES OF WEST NILE	0	8 birds submitted, 5 negative, 2 unsuitable for testing, <u>1 positive bird from Douglas County</u>
WEEKS 24 & 25	6/10/18	6/23/18			
WEEKS 25 & 26	6/17/18	6/30/18			
WEEKS 26 & 27	6/24/18	7/07/18	MOSQUITO POOLS POSITIVE FOR ARBOVIRUSES TO DATE	9 pools, Phelps and Dawson	116 pools
WEEKS 27 & 28	7/01/18	7/14/18	HUMAN CASES OF OTHER ARBOVIRUSES	0	5 travel related cases of Malaria, 1 travel related case of Dengue
WEEKS 28 & 29	7/08/18	7/21/18			
WEEKS 29 & 30	7/15/18	7/28/18	TRPHD ENVIRONMENTAL CONDITIONS		
WEEKS 30 & 31	7/22/18	8/04/18	Precipitation in inches	2-8	Page 4 of report
WEEKS 31 & 32	7/29/18	8/11/18	Percent of normal precipitation	90-300%	Page 5 of report
WEEKS 32 & 33	8/05/18	8/18/18	Departure from normal temperature	(-3)-1 degrees above average	Page 6 of report
WEEKS 33 & 34	8/12/18	8/25/18	Drought monitoring	No drought conditions are reported in the TRPHD area	Page 8 of report
WEEKS 34 & 35	8/19/18	9/01/18			
WEEKS 35 & 36	8/26/18	9/08/18			

Human case counts are significantly above what would be expected this time of year. 4 deaths linked to West Nile have been reported in the state as of 9/8/18.