

WEST NILE VIRUS ACTIVITY 2018



MOSQUITO DATA

FROM 8/19/18 - 9/1/18

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

COLLECTED FROM DAWSON, PHELPS, AND BUFFALO COUNTIES

Each week, mosquito trappers in our district send mosquitos to Nebraska DHHS for identification, counting, pooling. Then DHHS sends the mosquitos to Nebraska Public Health Lab at UNMC in Omaha for testing. Overall, 156 pools in 28 counties are tested for viruses carried by mosquitos. These mosquitos 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	79 clinical cases, 34 asymptomatic blood donor cases
WEEKS 23 & 24	6/3/18	6/16/18	EQUINE AND BIRD CASES OF WEST NILE	0	7 birds submitted, 4 negative, 2 unsuitable for testing, <u>1 positive bird from Douglas County</u>
WEEKS 24 & 25	6/10/18	6/23/18	MOSQUITO POOLS POSITIVE FOR ARBOVIRUSES TO DATE	4 pools, Phelps and Dawson	109 pools
WEEKS 25 & 26	6/17/18	6/30/18	HUMAN CASES OF OTHER ARBOVIRUSES	0	4 travel related cases of Malaria, 1 travel related case of Dengue
WEEKS 26 & 27	6/24/18	7/07/18	TRPHD ENVIRONMENTAL CONDITIONS		
WEEKS 27 & 28	7/01/18	7/14/18	Precipitation in inches	1-8	Page 4 of report
WEEKS 28 & 29	7/08/18	7/21/18	Percent of normal precipitation	25-300%	Page 5 of report
WEEKS 29 & 30	7/15/18	7/28/18	Departure from normal temperature	(-3)-0 degrees above average	Page 6 of report
WEEKS 30 & 31	7/22/18	8/04/18	Drought monitoring	No drought conditions are reported in the TRPHD area	Page 8 of report
WEEKS 31 & 32	7/29/18	8/11/18			
WEEKS 32 & 33	8/05/18	8/18/18			
WEEKS 33 & 34	8/12/18	8/25/18			
WEEKS 34 & 35	8/19/18	9/01/18			

Human case counts are significantly above what would be expected this time of year. 3 deaths linked to West Nile have been reported in the state as of 9/1/18.