

WEST NILE VIRUS ACTIVITY 2018



MOSQUITO DATA

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

FINAL REPORT 10/15/18

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 mosquitoes 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 25 & 26	6/17/18	6/30/18	HUMAN CASES OF WEST NILE	10 clinical cases, and 1 asymptomatic blood donor	225 clinical cases, 46 asymptomatic blood donor cases
WEEKS 26 & 27	6/24/18	7/07/18	EQUINE AND BIRD CASES OF WEST NILE	0	8 birds submitted, 5 negative, 2 unsuitable for testing, 1 positive bird from Douglas County , 2 equine cases- 1 in Cherry County, and 1 in Dakota County
WEEKS 27 & 28	7/01/18	7/14/18			
WEEKS 28 & 29	7/08/18	7/21/18	MOSQUITO POOLS POSITIVE FOR ARBOVIRUSES TO DATE	11 pools, Phelps and Dawson	122 pools
WEEKS 29 & 30	7/15/18	7/28/18			
WEEKS 30 & 31	7/22/18	8/04/18	HUMAN CASES OF OTHER ARBOVIRUSES	0	5 travel related cases of Malaria, 1 travel related case of Dengue
WEEKS 31 & 32	7/29/18	8/11/18			
WEEKS 32 & 33	8/05/18	8/18/18	TRPHD ENVIRONMENTAL CONDITIONS		
WEEKS 33 & 34	8/12/18	8/25/18			
WEEKS 34 & 35	8/19/18	9/01/18	Departure from normal Precipitation in inches	(-1.5)-3	Page 8 of report
WEEKS 35 & 36	8/26/18	9/08/18	Departure from normal temperature	1-5 degrees above average	Page 13 of report
WEEKS 36 & 37	9/02/18	9/15/18	Drought monitoring	No drought conditions are reported in the TRPHD area	Page 19 of report
WEEKS 37 & 38	9/09/18	9/22/18			
FINAL REPORT		10/15/18			

11 deaths linked to West Nile have been reported in the state as of 10/15/18. 110 neuroinvasive cases have been reported, the highest number since 2003.