WEST NILE VIRUS ACTIVITY 2018

Two Rivers
PUBLIC HEALTH DEPARTMENT

MOSQUITO DATA	FROM 8/12/18 - 8/25/18
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 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.

There are currently 4 cases of West Nile Virus in the TRPHD area.

COLLECTION WEEK	STARTING	ENDING
WEEKS 22 & 23	5/11/18	6/9/18
WEEKS 23 & 24	6/3/18	6/16/18
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
WEEKS 27 &28	7/01/18	7/14/18
WEEKS 28 & 29	7/08/18	7/21/18
WEEKS 29 & 30	7/15/18	7/28/18
WEEKS 30 & 31	7/22/18	8/04/18
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

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

# OF POSITIVE CASES	TWO RIVERS	NEBRASKA
HUMAN CASES OF WEST NILE	3 clinical cases, and 1 asymptomatic blood donor	57 clinical cases, 30 asymptomatic blood donor cases
EQUINE AND BIRD CASES OF WEST NILE	0	7 birds submitted, 4 negative, 2 unsuitable for testing, *1 positive bird from Douglas County*
MOSQUITOS POSITIVE FOR ARBOVIRUSES	4 pools, Phelps and Dawson	67 pools
HUMAN CASES OF OTHER ARBOVIRUSES	0	4 travel related cases of Malaria, 1 travel related case of Dengue

TRPHD ENVIRONMENTAL CONDITIONS		
Precipitation in inches	2-6.5	Page 4 of report
Percent of normal precipitation	50-130%	Page 5 of report
Departure from normal temperature	(-6)-(-4) degrees above average	Page 6 of report
Drought monitoring	No drought conditions are reported in the TRPHD area	Page 8 of report