WEST NILE VIRUS ACTIVITY 2018

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**
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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
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.

**TRPHD ENVIRONMENTAL CONDITIONS**
- Precipitation in inches: 2.8
- Percent of normal precipitation: 90-300%
- Departure from normal temperature: (-3)-1 degrees above average
- Drought monitoring: No drought conditions are reported in the TRPHD area

**COLLECTED FROM DAWSON, PHELPS, AND BUFFALO COUNTIES**

**ARBOVIRAL DISEASES INCLUDE: ZIKA, DENGUE, MALARIA, AND CHIKUNGUNYA**

**# OF POSITIVE CASES**

- **HUMAN CASES OF WEST NILE**
  - 3 clinical cases, and 1 asymptomatic blood donor
  - 123 clinical cases, 38 asymptomatic blood donor cases

- **EQUINE AND BIRD CASES OF WEST NILE**
  - 0
  - 8 birds submitted, 5 negative, 2 unsuitable for testing, 1 positive bird from Douglas County

- **MOSQUITO POOLS POSITIVE FOR ARBOVIRUSES TO DATE**
  - 9 pools, Phelps and Dawson
  - 116 pools

- **HUMAN CASES OF OTHER ARBOVIRUSES**
  - 0
  - 5 travel related cases of Malaria, 1 travel related case of Dengue