WEST NILE VIRUS ACTIVITY 2018

MOSQUITO DATA FROM 6/10/18 - 6/23/18

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

COLLECTED FROM DAWSON, PHELPS, AND BUFFALO COUNTIES

Each week, mosquito trappers in our district send mosquitos to the Nebraska Public Health Lab at UNMC in Omaha. 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 no cases of arboviral diseases in the TRPHD area. Buffalo County reported very high number of mosquitos in the area. Due to recent rainfall the number of mosquitos is expected to increase.

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

# OF POSITIVE CASES       TWO RIVERS   NEBRASKA
HUMAN CASES OF WEST NILE  0            0
EQUINE AND BIRD CASES OF  0            3 birds, 1 negative, 1 unsuitable for testing, and 1 pending results
WEST NILE
MOSQUITOS POSITIVE FOR   1 pool, Phelps County 2 pools, Phelps and Lancaster Counties
ARBOVIRUSES
HUMAN CASES OF OTHER     0            3 travel related cases of Malaria
ARBOVIRUSES

What is West Nile?
- It's a virus spread most commonly spread by mosquitos to humans
- It's grouped with arbovirus

What are the symptoms?
- Most people do not develop symptoms
- Fever, headache, neck stiffness, and others

What Can I do?
- Cover skin
- Use insect repellant
- Cover cribs and strollers with mosquito netting.

TWO RIVERS PUBLIC HEALTH DEPARTMENT ENVIRONMENTAL CONDITIONS

<table>
<thead>
<tr>
<th>Factor</th>
<th>TRPHD</th>
<th>Nebraska</th>
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<tbody>
<tr>
<td>Precipitation in inches</td>
<td>3-7</td>
<td>Page 4 of report</td>
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<tr>
<td>Percent of normal precipitation</td>
<td>70-200%</td>
<td>Page 5 of report</td>
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<tr>
<td>Departure from normal temperature</td>
<td>2-10 degrees above average</td>
<td>Page 6 of report</td>
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<tr>
<td>Drought monitoring</td>
<td>No drought conditions are reported in the TRPHD area</td>
<td>Page 8 of report</td>
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