



Village of Volo May 2010 Status Report

Surveillance & Weather:

The rainfall total for the month of May (4.90in.) was about an inch and a half above the average for May (3.38in.). Temperature predictions for the beginning of June are in the upper 70's with a chance of rain. With the expected increase in rainfall and temperatures, we will most likely see an increase in nuisance mosquito activity.

2010 West Nile Cases:

| County | American Crow | Blue Jay | Other Birds | Mosquito Batches | Horse | Human |
|--------------|---------------|----------|-------------|------------------|----------|----------|
| Carroll | 0 | 0 | 1 | 0 | 0 | 0 |
| Greene | 0 | 0 | 1 | 0 | 0 | 0 |
| Jo Daviess | 0 | 0 | 1 | 0 | 0 | 0 |
| St. Clair | 0 | 0 | 1 | 0 | 0 | 0 |
| Stephenson | 0 | 0 | 1 | 0 | 0 | 0 |
| TOTAL | 0 | 0 | 5 | 0 | 0 | 0 |

Last updated May 26, 2010

To date in 2010, there have been no human West Nile virus cases reported to the CDC. The state of Illinois has reported 5 dead birds positive for West Nile virus.

Brood Prediction

The floodwater mosquito (*Aedes vexans*) is the key nuisance species in the Chicagoland area. Distinct hatches of floodwater mosquito populations, or broods, are triggered by significant rainfall events. The Clarke Brood Prediction Model calculates peak annoyance periods based on rainfall and temperature data collected from weather stations in your area.

| Weather Station | Rain Date | Rain Amount | Brood Prediction |
|-----------------|------------|-------------|------------------|
| Lake Villa | 04/24/2010 | 0.42 | 05/08/2010 |
| Lake Villa | 05/06/2010 | 0.46 | 05/28/2010 |
| Lake Villa | 06/01/2010 | 0.62 | 06/15/2010 |



Recommendations:

The CDC currently shows a risk category 1. Conduct entomological survey (inspections) and surveillance to monitor larval and adult mosquito density; Maintain vector and virus surveillance; Expand community outreach and public education programs focused on risk potential and personal protection emphasizing residential source reduction.

Operation and Surveillance Reports:

Below is a report outlining all services performed in the month of May. These services could include the following:

- **2105 Catch Basin Appl:** *Treatment of street catch basins for seasonal control of mosquito larvae development.*
- **2888 Truck ULV:** *ULV application for adult mosquito control.*
- **2752 Truck ULV Service Call:** *ULV “touch-up” application for control of mosquito annoyance per citizen hotline request.*

Services Performed May 2010:

| Service Item | Start Date |
|--|------------|
| ROS2888 - Biomist 3+15 Truck ULV | 05/27/2010 |
| ROS2105 - 150-day Altosid Briq Street CB | 05/28/2010 |
| ROS2888 - Biomist 3+15 Truck ULV | 06/03/2010 |