

Item #9:
Village Trustee Barry
August Mosquito Abatement Report



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 Name	Inch Date	Rain Amount	Brood Prediction Date
South Lake Co.	07/23/2010	4.32	08/08/2010
South Lake Co.	07/30/2010	1.55	08/14/2010
South Lake Co.	08/04/2010	0.60	08/19/2010
South Lake Co.	08/08/2010	0.57	08/23/2010

Recommendations:

The CDC currently shows a risk category 3. Increase larval control, source reduction, and public education emphasizing personal protection measures, particularly among the elderly. Intensify adult mosquito control in areas where surveillance indicates human risk, initiate adult mosquito control if not already in progress, initiate visible activities in community to increase attention to WNV transmission risk. Work with collaborators to reduce risks to the elderly.

Operation and Surveillance Reports:

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

- **1252 Complete Site Larval Inspection Service:** *Inspection service of all potential mosquito larvae development sites.*
- **1302 Targeted Site Larval Inspection:** *Inspection of all targeted larval development sites.*
- **1352 Larval Site Service Call:** *Special inspection of standing water for mosquito breeding per hot line request.*
- **1502 Ground Prehatch:** *Ground prehatch for control of mosquito larvae.*
- **1752 Backpack Larviciding:** *Backpack larviciding for biological control of mosquito larvae sites.*
- **1754 Hand Larviciding:** *Hand equipment larviciding for biological control of mosquito larvae.*

Services Performed August 2010:

Service Item	Start Date
ROS1754 – Hand Larviciding	08/02/2010
ROS1252 - Complete Site Larval Insp Serv	08/02/2010
ROS2402 - Vectobac G Heli Larviciding	08/04/2010
ROS1752 - Vectobac (B.T.I.) BP Larv	08/04/2010
ROS1252 - Complete Site Larval Insp Serv	08/10/2010
ROS1352 - Larval Site Service Call	08/18/2010
ROS1754 – Hand Larviciding	08/31/2010
ROS1252 - Complete Site Larval Insp Serv	08/31/2010