

# Monthly Report - July 2025

## Village of Romeoville

July 2025

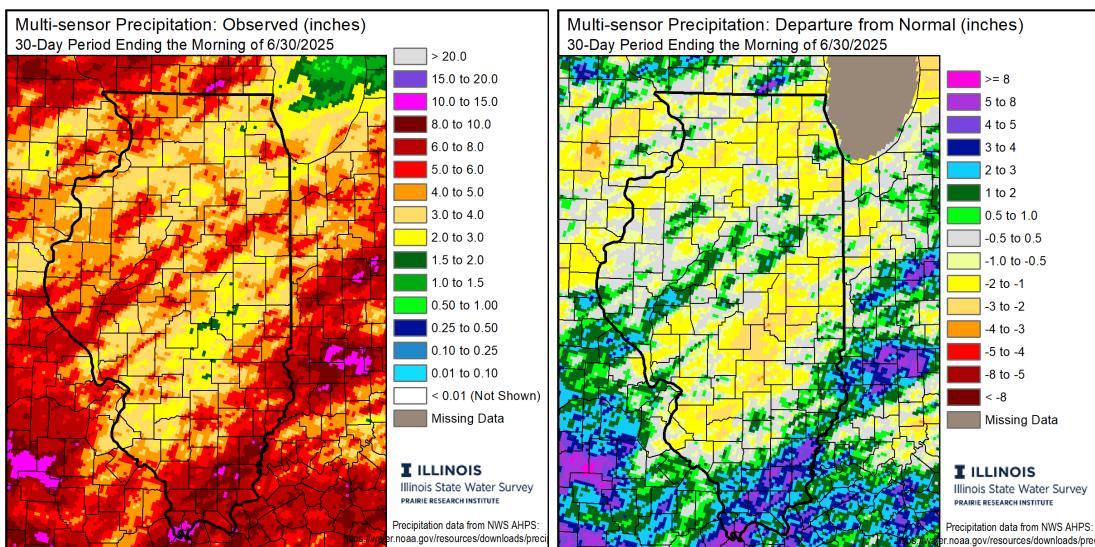
As we head into June — the beginning of peak mosquito season — the objectives of our mosquito control program remain clear: to protect public health by controlling nuisance mosquitoes, reducing the risk of mosquito-borne disease transmission, and creating a safe, comfortable environment for all residents.

Looking back at the month of June and forward into July, there are several items to keep in mind. Weather conditions play a significant role in shaping mosquito populations and can change with high impact very quickly. For example, when there are periods of even brief heavy rainfall, this often leads to an increase in floodwater mosquitoes, particularly *Aedes vexans*. Another species to keep an eye on is the northern house mosquito, or *Culex pipiens*. These mosquitoes tend to thrive in stagnant water and during dry spells and are also known for spreading West Nile Virus (WNV). Staying informed about these patterns can help us prepare for upcoming control needs.

### National Weather Reports

The latest maps from the Illinois State Climatologist indicate that the total precipitation level for June has been relatively normal compared to last year's wetter month of June. Still, some areas experienced an increase in rainfall, which indicates that the level of floodwater mosquitoes may increase as well, and these can travel into drier areas.

Increased overall mosquito numbers don't always mean more disease cases. In fact, West Nile virus often spikes in dry, hot summer months, like August.

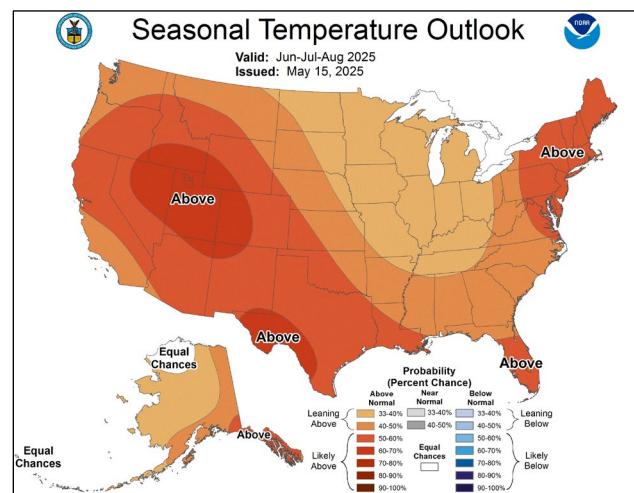
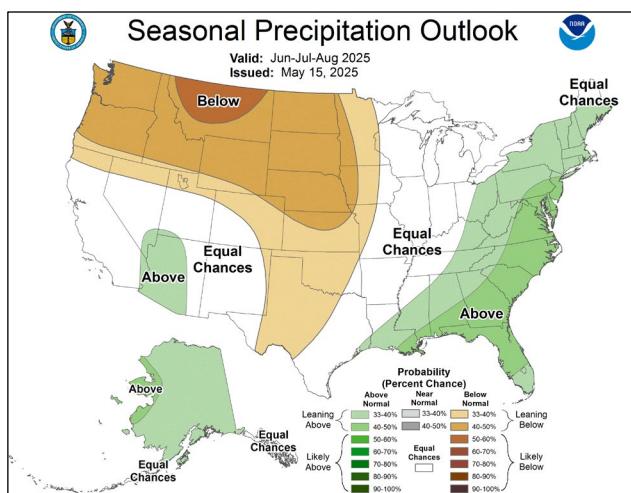
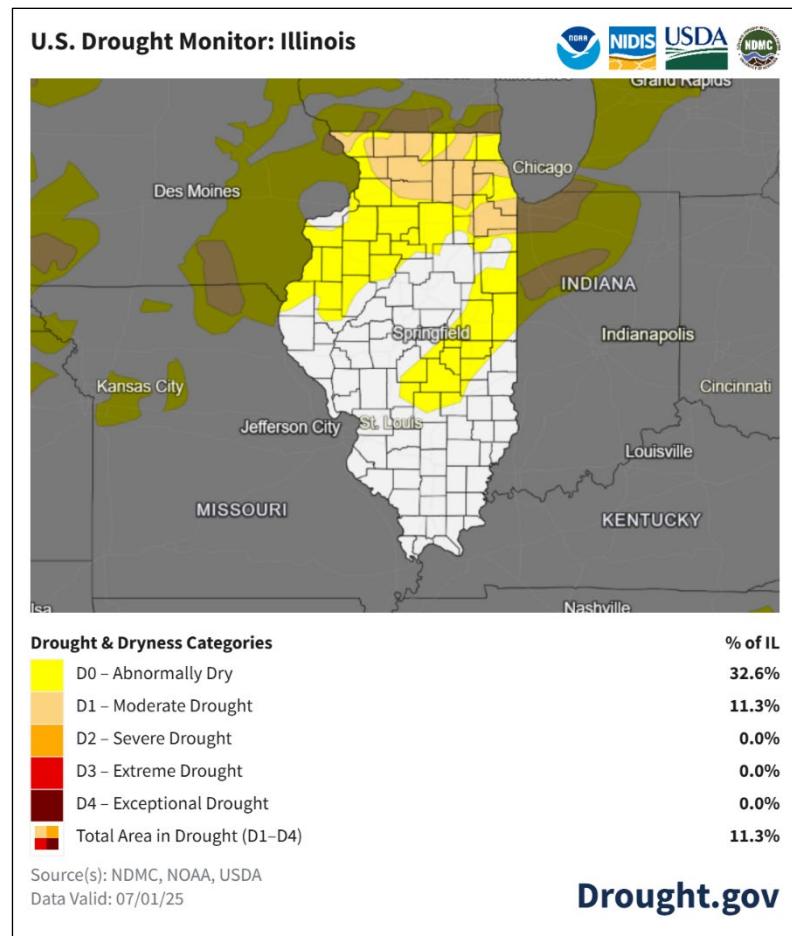


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The National Weather Service Seasonal Outlook maps, for the period of June, July, and August predict above normal temperatures and moderate precipitation. The U.S. Drought Monitor depicts the location and intensity of drought across the country. The map uses 5 classifications: Abnormally Dry (D0), showing areas that may be going into or are coming out of drought, and four levels of drought (D1–D4).

As we move through July, we're anticipating a modest increase in floodwater mosquitoes (*Aedes vexans*), driven by seasonal rainfall, elevated soil moisture levels, and above-average temperatures. These conditions are favorable for hatch-offs in flood-prone areas. July operational recommendations will emphasize larval habitat

management, targeting areas where floodwater species and *Culex* species are most active. Based on surveillance data, targeted truck-mounted ULV adulticide applications may also be implemented if mosquito activity reaches threshold levels.



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## Floodwater Mosquito 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	Rain Date	Rain Amount	Brood Prediction Date
Will Co.	05/28/2025	0.41	06/11/2025
Will Co.	06/04/2025	0.70	06/18/2025
Will Co.	06/18/2025	0.81	07/02/2025

### New Jersey Light Trap Counts

(\*Red numbers indicate an annoyance level)

Trap Location	6/2	6/4	6/6	6/9	6/11	6/13	6/20	6/25	6/27	6/30	7/2	7/7
750 Yates Ave	0	0	3	3	7	1	3	5	17	0	44	M*
401 Normantown Rd	5	0	9	2	11	1	3	3	21	9	12	27

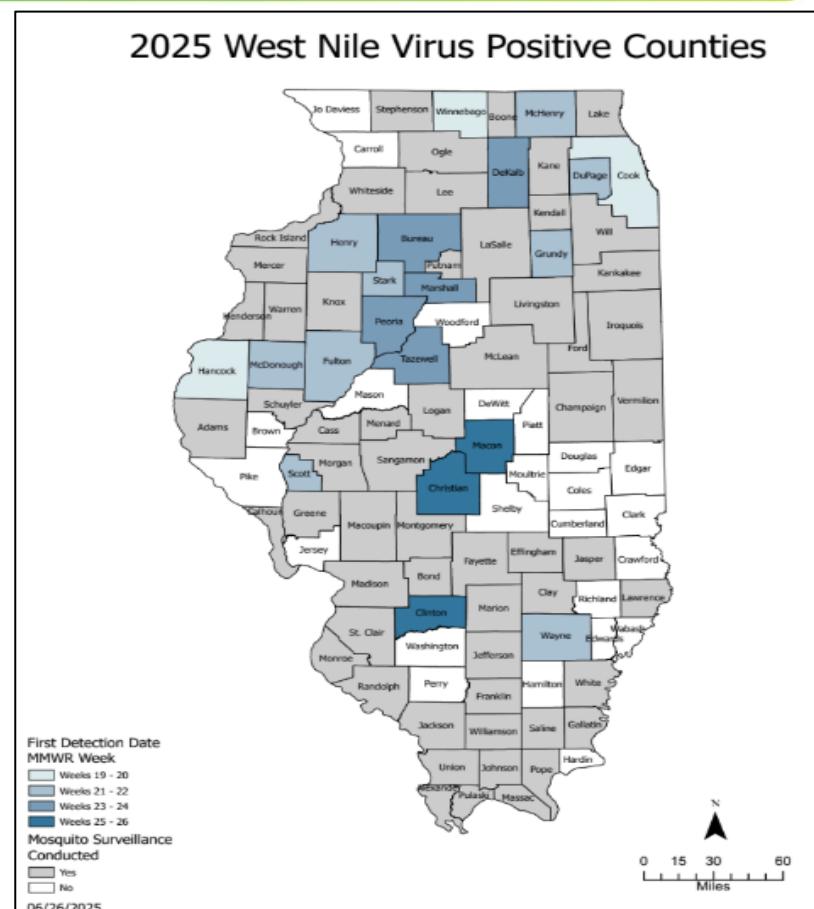
M\* Malfunction

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## Mosquito Borne Disease Update

There has been one confirmed WNV-positive human case as of June 26, 2025, in the state of Illinois. The Illinois Department of Public Health has announced that a total of 20 counties have samples testing positive for WNV, as depicted on the map.

Since its emergence in 1999, the West Nile virus (WNV) has made quite an impact across the United States, leading to 58,682 human cases—including over 2,700 tragic fatalities—over the past 25 years. Given its prevalence in bird and mosquito populations, WNV has established itself as a significant annual threat during mosquito season.



A county is considered positive for WNV when it has a positive bird, mosquito, human, horse, or other mammal. Once a county has a positive test result for the year, it will be indicated as "positive" for the rest of the 2025 season.

### West Nile Virus Activity Comparison and Summary (as of June 26, 2025)

	Number Collected in all Counties	# WNV Positives	% WNV Positives
<b>2025 Data as of June 26</b>			
2025 Mosquito Surveillance Samples	3,967	81	2.0%
2025 Bird Surveillance Samples			
2025 WNV Positive Counties	20		
2025 Human Cases as of June 26	1		
<b>2024 Historical Data as of June 26 for Comparison</b>			
2024 Mosquito Surveillance Samples	4,662	105	2.3%
2024 Bird Surveillance Samples	75	12	16.0%
2024 WNV Positive Counties	21		
2024 Total Human Cases	69		
<b>2012 Historical Data as of June 26 for Comparison</b>			
2012 Mosquito Surveillance Samples	3,949	76	1.9%
2012 Bird Surveillance Samples	274	18	6.6%
2012 WNV Positive Counties	18		
2012 Total Human Cases	290		

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## To Keep Up with the Latest Data, Use the Clarke Customer Portal

### Floodwater Mosquito Brood Predictions also on the Clarke Customer Portal.

The floodwater mosquito, *Aedes vexans*, is the key nuisance species in the Chicagoland area. The Clarke Brood Prediction Model calculates peak annoyance periods based on rainfall and temperature data collected from weather stations in your area. This section has been moved to the Clarke Customer Portal to keep data as up to date as possible.

Clarke maintains and operates an online Customer Portal that program administrators can use to get up-to-date information on their mosquito management program.

**New to Mosquito Season 2025!** Access your full monthly data by logging in to the Customer Portal, selecting "Custom Reports" from the left menu, clicking "Run," choosing your account and correct month, then "View Report." [Step-by-step guide here](#)

[Clarke Customer Portal](#)

## Free Public Relations Kit for Vector-Borne Disease Communication

Effective, timely communication is critical when vector-borne diseases like West Nile Virus impact your community. Clarke offers a free Public Relations Kit exclusively for our customers to support your outreach efforts and help reassure the public.

What's Inside:

- Pre-written social media posts
- Professionally designed graphics
- Expert-developed FAQs
- Informative fact sheets
- PSA scripts ready for use
- Customizable press release templates
- Step-by-step deployment guides

Request your free WNV PR Kit and be prepared to respond confidently and professionally.

[Request a Public Relations Kit](#)

## Operations Update

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As a result of the weather patterns noted above, a rise in the amount of floodwater mosquitoes (*Aedes vexans*) is anticipated. Accordingly, Clarke operations will focus on identifying and treating permanent and stagnant water sources where *Aedes vexans* and *Culex pipiens* larvae thrive. Our integrated approach includes surveillance and larval control strategies such as treating catch basins and conducting helicopter larval applications, all in alignment with your community's mosquito management program. When supported by surveillance data, truck-mounted ULV adulticide applications will also be recommended to reduce nuisance mosquitoes and potential WNV risk.

We're also proud to share that Clarke has once again been named a Great Place to Work®! As a third-generation, family-owned company, we remain deeply committed to advancing public health and sustainability through environmentally responsible innovations in vector control and active community involvement. With 76% of our coworkers affirming Clarke as a great place to work, we celebrate our passionate team and purpose-driven mission to make communities around the world more livable, safe, and comfortable.

## OPERATIONS UPDATE

### Services Performed - June & Early July 2025:

Service Item	Start Date
Natular G 5#/Acre Hand	Monday, June 2, 2025
Complete Site Larval Insp Serv	Monday, June 2, 2025
Biomist 3+15 Truck Festival	Thursday, June 5, 2025
Biomist 3+15 Truck ULV	Monday, June 16, 2025
Biomist 3+15 Truck Festival	Friday, June 20, 2025
Natular G 5#/Acre Hand	Monday, June 23, 2025
Targeted Site Larval Insp Serv	Monday, June 23, 2025
Natular XRT CB Bike	Wednesday, June 25, 2025
Biomist 3+15 Truck ULV	Friday, June 27, 2025
Biomist 3+15 Truck 4th of July	Wednesday, July 2, 2025
Complete Site Larval Insp Serv	Wednesday, July 2, 2025
Biomist 3+15 Truck 4th of July	Wednesday, July 2, 2025
Biomist 3+15 Truck Festival	Thursday, July 3, 2025

### Upcoming 2025 Operations

Work Type	Number of Treatments
Natular XRT CB Bike	1
Biomist 3+15 Truck Festival	7
Targeted Site Larval Insp Serv	1

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