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Important Notice: New Illinois Pesticide Application Notification Requirements

City of Crystal Lake residents should be aware of new state regulations regarding pesticide applications on public rights-of-way that took effect January 1, 2025. Under Public Act 103-0976 (The Pesticide Application on Rights-of-Way Notification Act), we are implementing enhanced notification procedures to keep our community informed about pesticide applications.

New Notification Requirements for Public Act 103-0976

As of January 1, 2025, City of Crystal Lake must provide written notice at least 24 hours before any pesticide application to public rights-of-way, including:

- Roadways and road shoulders
- Sidewalks and walking paths
- Utility corridors
- Storm sewers and drainage areas
- Other public infrastructure areas

Day of Service Notifications

Please note that our current Day of Service notification service provided by our mosquito services provider, Clarke, will continue to be supported. This additional communication tool is not related to this new regulation compliance, but it is an existing resource Clarke utilizes to provide timely updates about upcoming applications tied to our mosquito population monitoring services. You can visit to www.clarkeportal.com/hotline to register for this service at any time.

2026 Application Schedule

- Location: Within City of Crystal Lake boundaries
- Season: May 1st - October 15th, 2026
- Larvicide Time of Application: Between dawn to dusk
- Adulticide Time of Application: Between dusk to dawn
- Purpose: Mosquito control and disease outbreak prevention

Larvicide Products Being Used

We utilize EPA-registered products approved for residential areas:

1. Natular® G Mosquito Larvicide Granule (OMRI-listed)
    - 0.5% Spinosad (a mixture of Spinosyn A and Spinosyn D)
    - Labeled Application Rate: Apply at a rate of 3.5 to 9.0 lbs per acre
2. Natular® G30 Mosquito Larvicide / Extended-Release Granule (OMRI-listed)
    - 2.5% Spinosad (a mixture of Spinosyn A and Spinosyn D)
    - Labeled Application Rate: Apply at a rate of 5.0 to 20.0 lbs per acre
3. Spheratax SPH (50g)
    - 5% Bacillus sphaericus, Serotype H5a5b, strain 2362
    - Labeled Application Rate: Apply at a rate of 5.0 to 20.0 lbs per acre

4. Aquabac® (200g)
    - 2.86% Bacillus thuringiensis subspecies israelensis Strain BMP 144 solids, spores and insecticidal toxins
    - Labeled Application Rate: Apply at a rate of 2.5 to 20 lbs per acre

We may also use Natular WSP or Natular XRT in local catch basins. Catch basin applications are exempt from notification, but for transparency we are providing notice of their use.

Adulticide Products Being Used

We utilize EPA-registered products approved for residential areas:

1. Duet® Dual-Action Adulticide (alternate product for Adult Mosquito Control applications)
    - 1.0% Prallethrin ((RS)-2-methyl-4-oxo-3-(2-propynyl) cyclopent2-enyl-(1RS)-cis, trans-chrysanthemate)
    - 5.0% Sumithrin®
    - 5.0% Piperonyl Butoxide
    - Labeled Application Rate: Apply undiluted at a rate of 0.43 to 1.28 fl oz per acre

Public Safety

These EPA-registered mosquito larvicides and adulticides can be safely applied in residential areas. Residents may remain outside during application, as there are no special safety precautions required according to the product labels.

Emergency Exceptions

Please note that in certain emergency situations, such as disease threats or natural disaster recovery efforts, advance notice requirements may be waived. This includes responses to:

- Disease-causing agents in mosquito populations
- Mosquito-borne diseases affecting humans or animals
- Natural disaster recovery situations

Contact Information

For questions or concerns: Clarke Customer Care (Chicagoland area): 1-800-942-2555

To report pesticide misuse, contact the IL Dept of Agriculture, Bureau of Environmental Programs

- Phone: (800) 641-3934 or (217) 785-2427
- Website: https://agr.illinois.gov/pesticides.html

The City of Crystal Lake remains dedicated to maintaining effective mosquito control while ensuring transparent communication with our residents. We appreciate your attention to this important update.